

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110923\
 Data File : VU056133.D
 Acq On : 09 Nov 2023 11:25
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 09 21:30:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR110723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 08 20:49:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	402890	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	386700	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	194603	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	109957	4.397	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.907	69	87272	5.142	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.563	65	48859	4.435	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.600%
20) 2-Butanone-d5	4.618	46	187531	45.710	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.420%
24) Chloroform-d	5.058	84	224681	4.720	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	5.698	65	97391	4.646	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.724	84	446730	4.810	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.685	67	131118	4.796	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.000%
41) Toluene-d8	7.894	98	412483	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.000%
43) trans-1,3-Dichloroprop...	8.177	79	48807	4.670	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.400%
46) 2-Hexanone-d5	8.631	63	164936	48.153	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	91315	4.680	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	135700	4.522	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	179235	5.246	ug/L	99
3) Chloromethane	1.518	50	158420	4.949	ug/L	95
5) Vinyl chloride	1.602	62	169975	5.133	ug/L	97
6) Bromomethane	1.849	94	95514	5.022	ug/L	99
8) Chloroethane	1.927	64	98445	5.483	ug/L	98
9) Trichlorofluoromethane	2.136	101	231699	5.290	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	150471	5.393	ug/L	98
12) 1,1-Dichloroethene	2.576	96	139680	5.394	ug/L	96
13) Acetone	2.621	43	140354	46.389	ug/L	99
14) Carbon disulfide	2.788	76	446714	5.063	ug/L	100
15) Methyl Acetate	2.946	43	39880	4.671	ug/L	99
16) Methylene chloride	3.042	84	148128	4.989	ug/L	98
17) Methyl tert-butyl Ether	3.357	73	295414	5.064	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	144139	5.253	ug/L	95
19) 1,1-Dichloroethane	3.862	63	261130	5.217	ug/L	95
21) 2-Butanone	4.695	43	247878	49.677	ug/L	100
22) cis-1,2-Dichloroethene	4.663	96	157038	5.302	ug/L	99
23) Bromochloromethane	4.972	128	66572	5.065	ug/L	95
25) Chloroform	5.084	83	278620	5.224	ug/L	99

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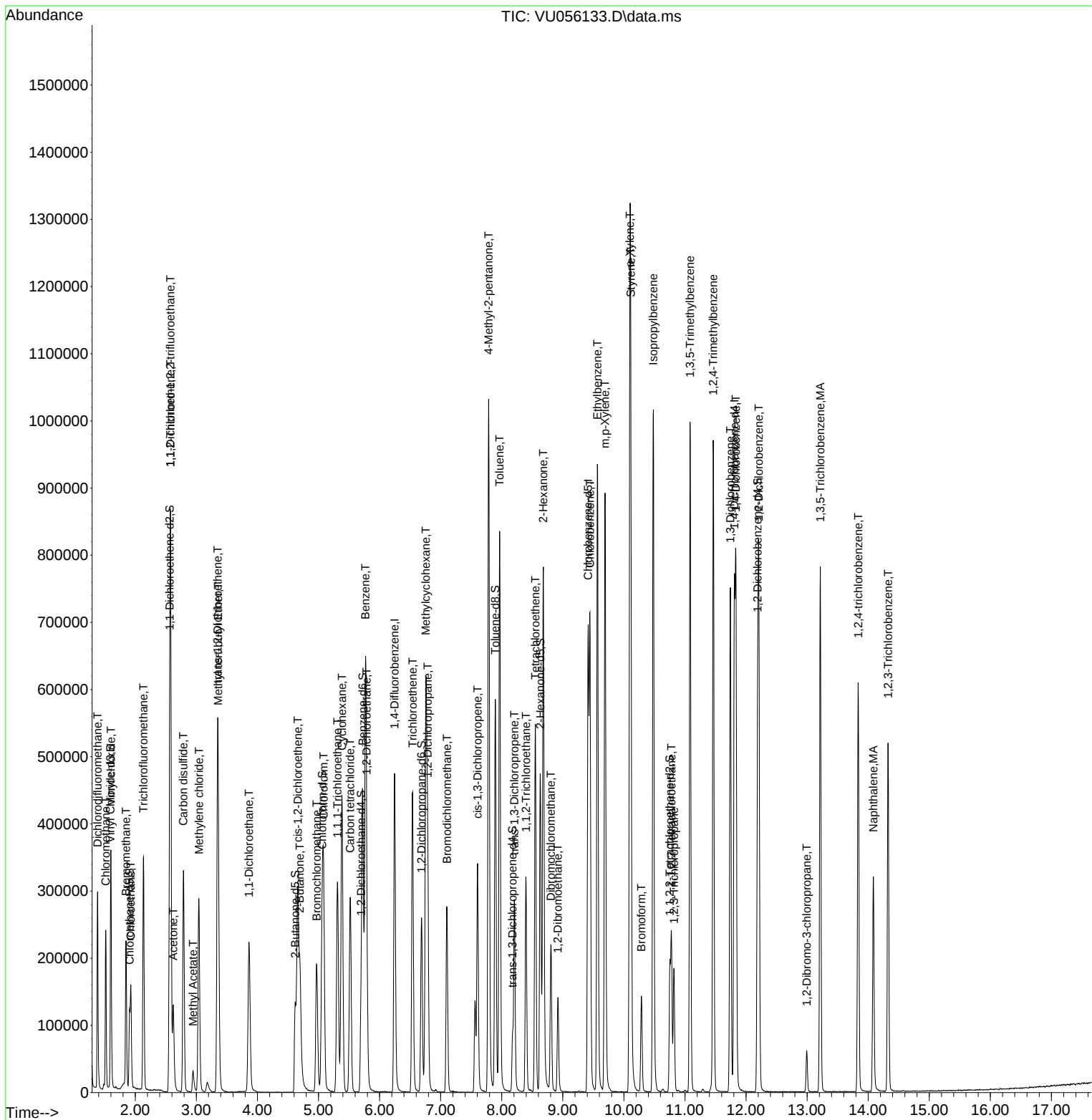
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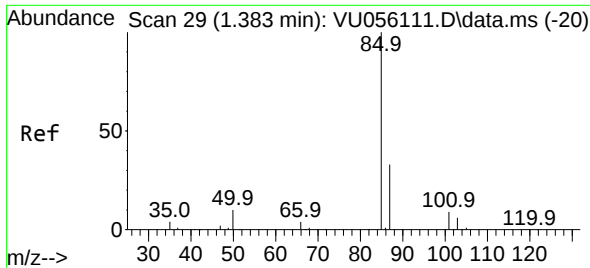
Quant Time: Nov 09 21:30:26 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	150704	4.992	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	234911	5.303	ug/L	99
30) Cyclohexane	5.383	56	223271	5.394	ug/L	100
31) Carbon tetrachloride	5.518	117	206774	5.256	ug/L	98
33) Benzene	5.769	78	599269	5.412	ug/L	100
34) Trichloroethene	6.541	95	162336	5.367	ug/L	96
35) Methylcyclohexane	6.759	83	241314	5.368	ug/L	99
37) 1,2-Dichloropropane	6.788	63	148268	5.149	ug/L	100
38) Bromodichloromethane	7.103	83	188376	5.239	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	214504	5.278	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	640341	50.842	ug/L	100
42) Toluene	7.965	91	640759	5.489	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	168996	5.136	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	100645	5.113	ug/L	97
47) Tetrachloroethene	8.550	164	123959	5.461	ug/L	97
48) 2-Hexanone	8.682	43	476245	51.935	ug/L	97
49) Dibromochloromethane	8.804	129	116865	5.174	ug/L	95
50) 1,2-Dibromoethane	8.920	107	94757	5.152	ug/L	97
51) Chlorobenzene	9.444	112	397709	5.281	ug/L	99
52) Ethylbenzene	9.566	91	693685	5.453	ug/L	100
53) m,p-Xylene	9.692	106	265536	5.489	ug/L	99
54) o-Xylene	10.097	106	255300	5.505	ug/L	97
55) Styrene	10.113	104	432217	5.697	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	116854	5.052	ug/L	99
59) Bromoform	10.286	173	67314	4.981	ug/L	98
60) Isopropylbenzene	10.483	105	686203	5.439	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	81380	4.845	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	559623	5.469	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	552352	5.503	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	319450	5.346	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	310384	5.253	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	291321	5.290	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	16622	4.691	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	242908	5.427	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	193209	5.441	ug/L	99
71) Naphthalene	14.084	128	271712	5.159	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	164761	5.293	ug/L	99

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

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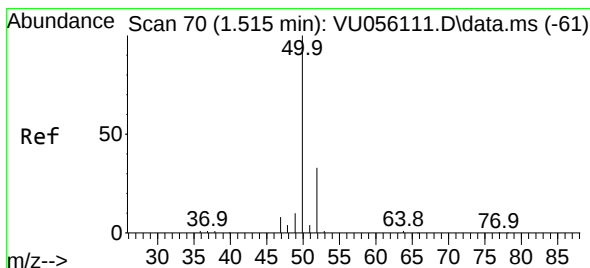
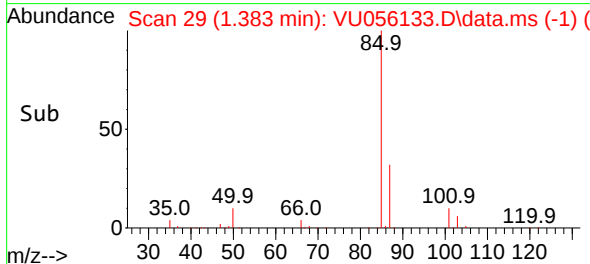
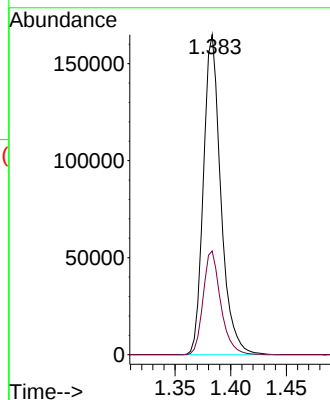
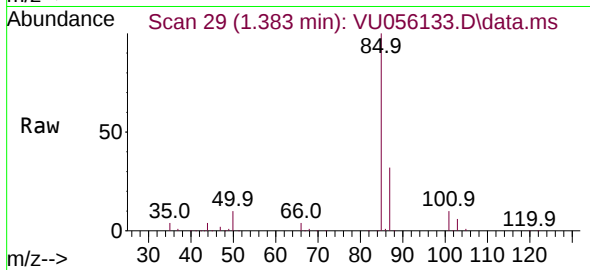




#2
 Dichlorodifluoromethane
 Concen: 5.246 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

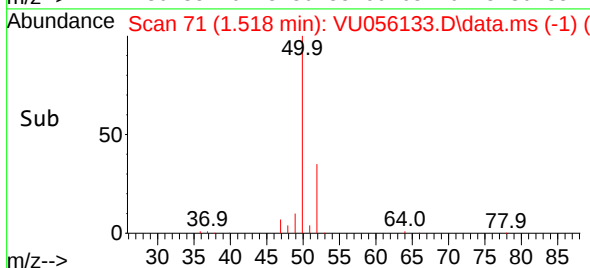
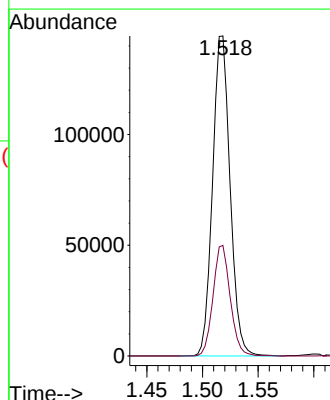
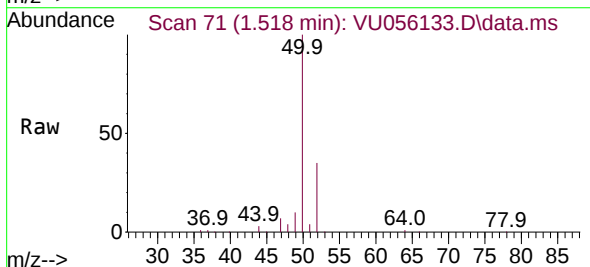
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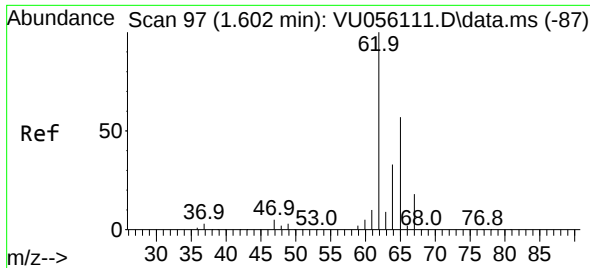
Tgt Ion: 85 Resp: 179235
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.4 39.6



#3
 Chloromethane
 Concen: 4.949 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

Tgt Ion: 50 Resp: 158420
 Ion Ratio Lower Upper
 50 100
 52 34.5 22.2 41.2

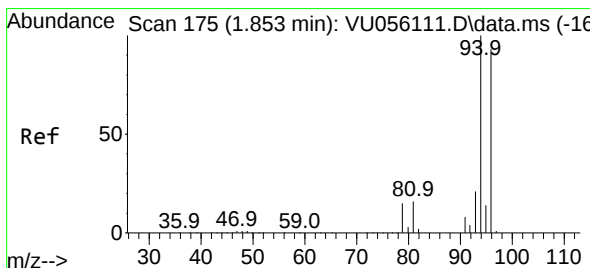
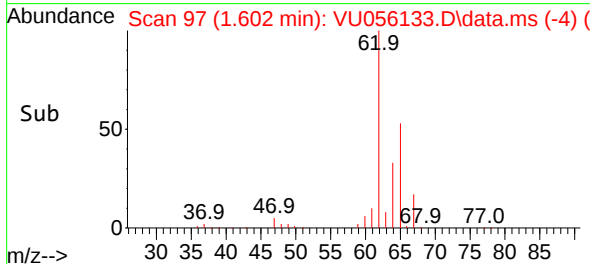
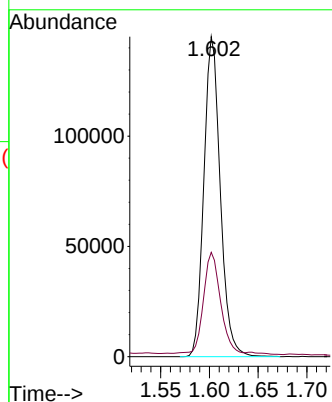
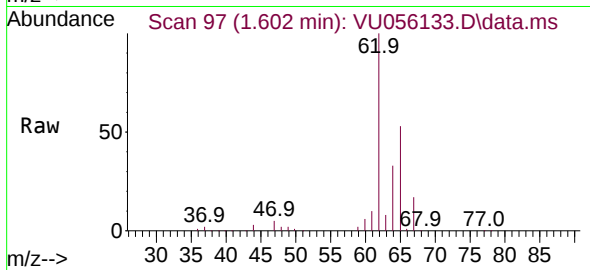




#5
 Vinyl chloride
 Concen: 5.133 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

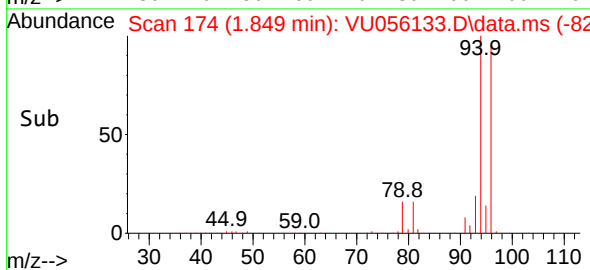
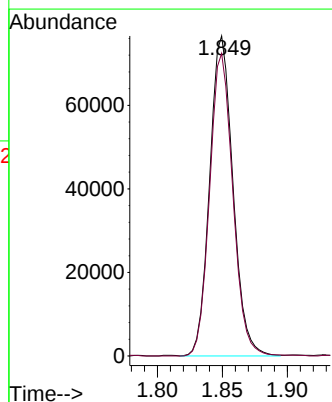
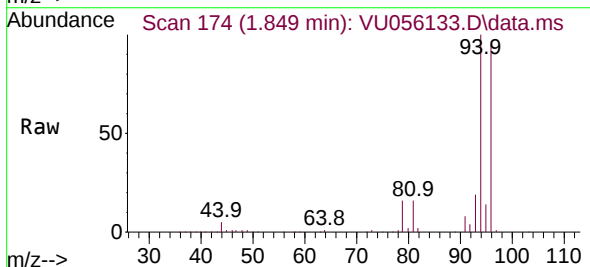
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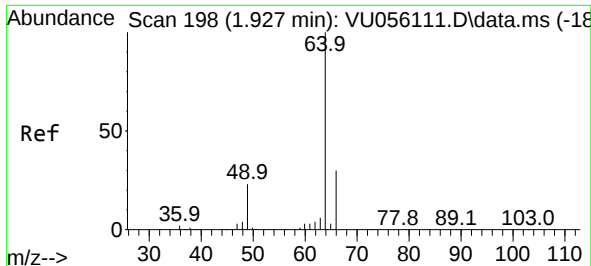
Tgt Ion: 62 Resp: 169975
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.1 44.7



#6
 Bromomethane
 Concen: 5.022 ug/L
 RT: 1.849 min Scan# 174
 Delta R.T. -0.003 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

Tgt Ion: 94 Resp: 95514
 Ion Ratio Lower Upper
 94 100
 96 94.5 65.6 121.8

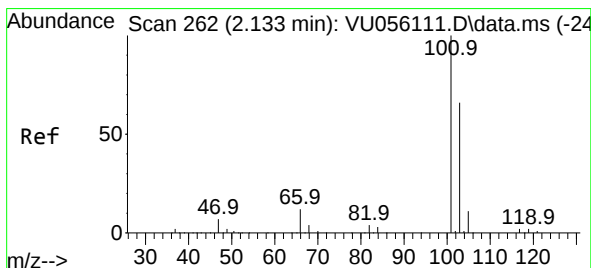
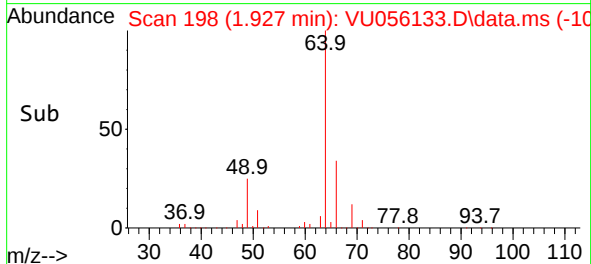
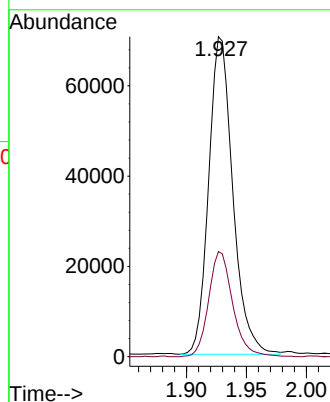
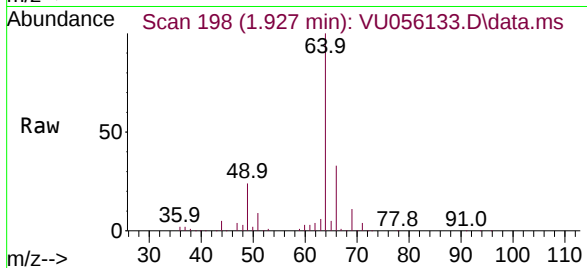




#8
Chloroethane
Concen: 5.483 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

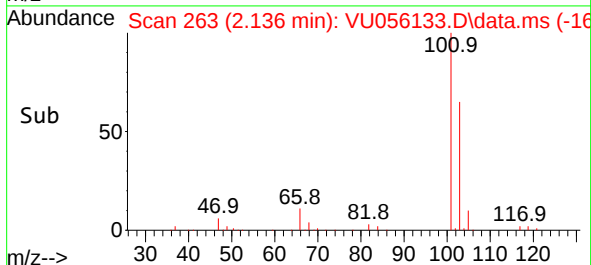
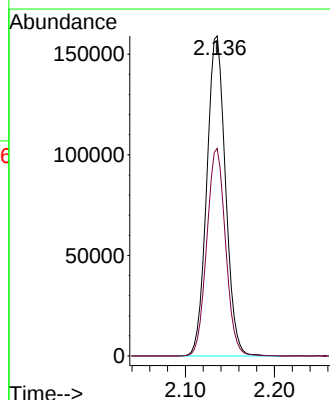
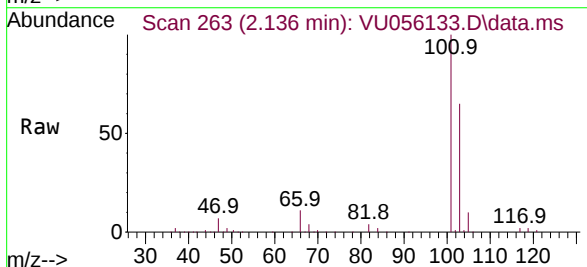
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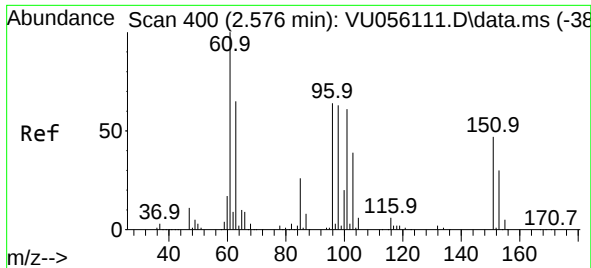
Tgt Ion: 64 Resp: 98445
Ion Ratio Lower Upper
64 100
66 32.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.290 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion:101 Resp: 231699
Ion Ratio Lower Upper
101 100
103 65.2 51.8 77.6

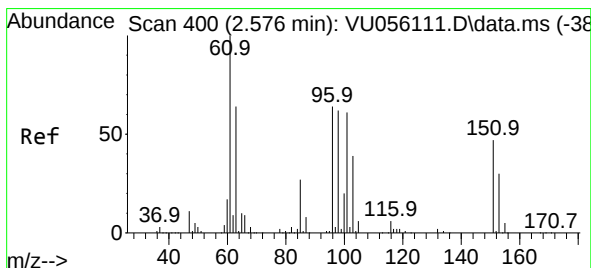
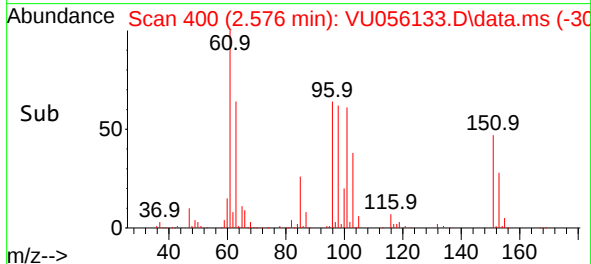
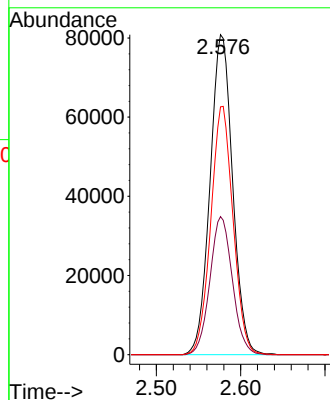
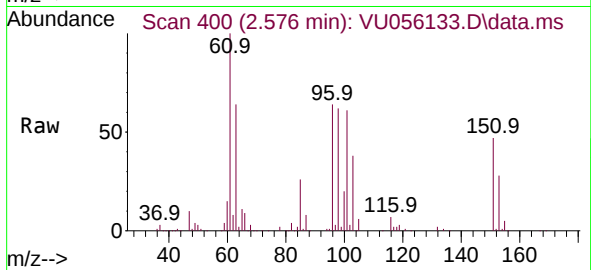




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.393 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

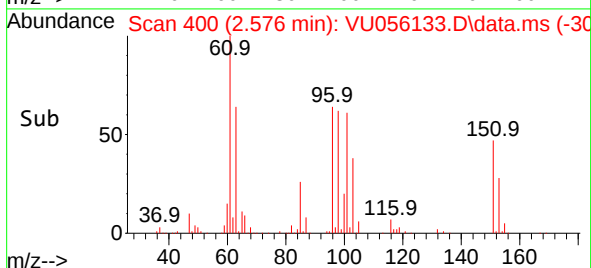
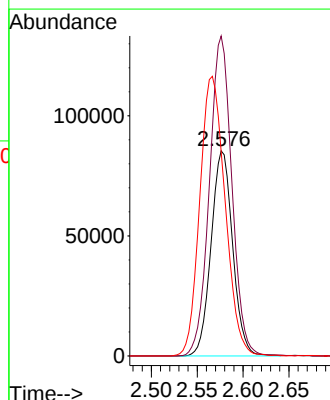
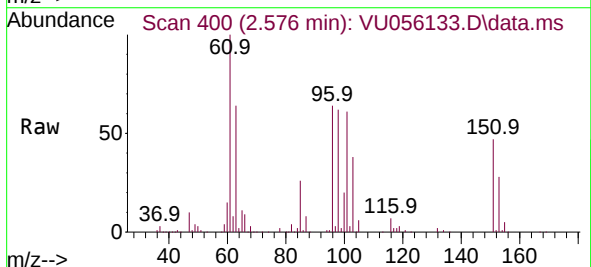
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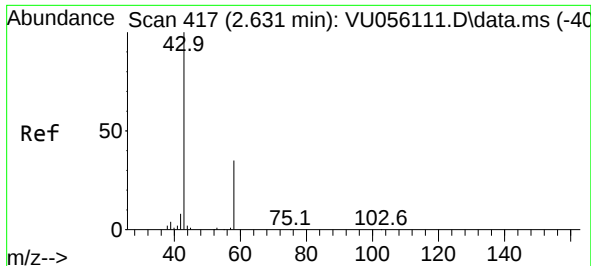
Tgt Ion:101 Resp: 150471
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.2 51.4
 151 76.6 59.3 88.9



#12
 1,1-Dichloroethene
 Concen: 5.394 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

Tgt Ion: 96 Resp: 139680
 Ion Ratio Lower Upper
 96 100
 61 155.9 111.7 207.5
 63 99.6 74.5 138.3





#13

Acetone

Concen: 46.389 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.010 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

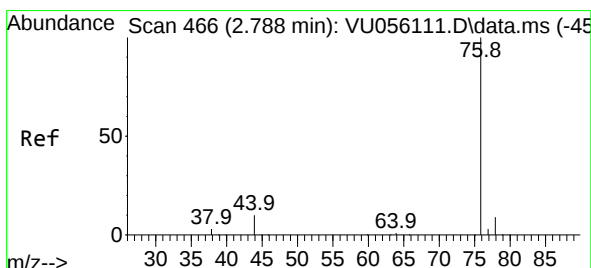
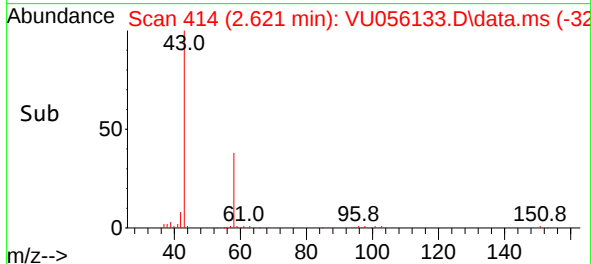
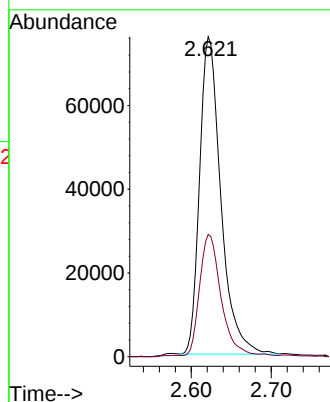
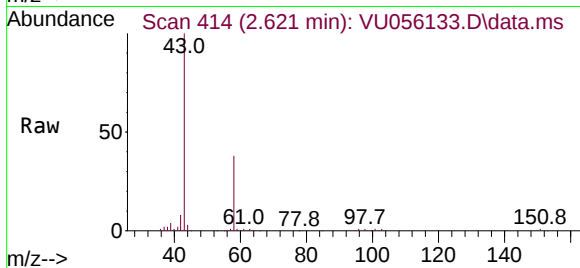
ClientSampleId :

Tgt Ion: 43 Resp: 140354

Ion Ratio Lower Upper

43 100

58 38.0 0.0 74.4



#14

Carbon disulfide

Concen: 5.063 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056133.D

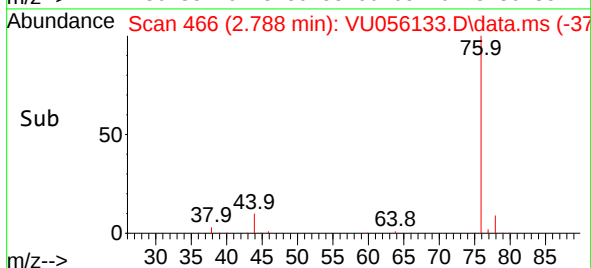
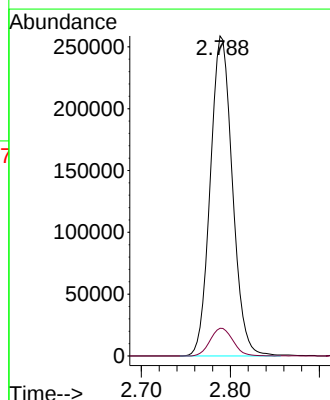
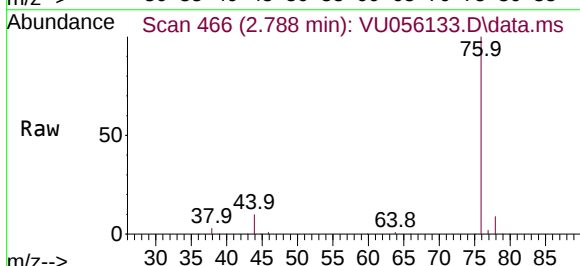
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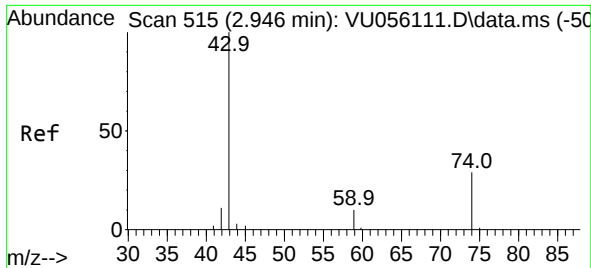
Tgt Ion: 76 Resp: 446714

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6

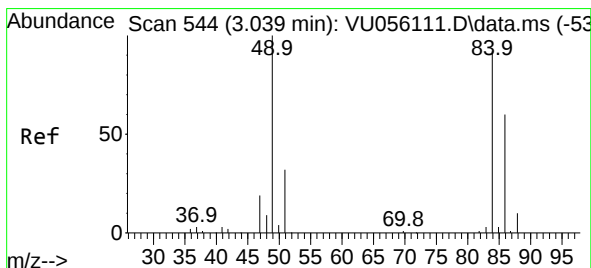
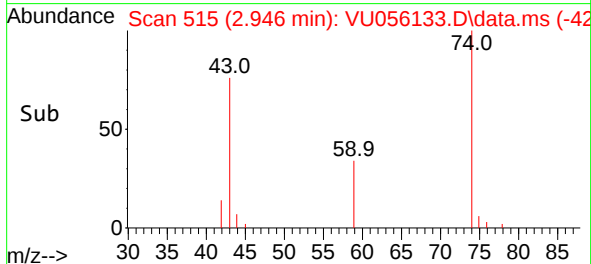
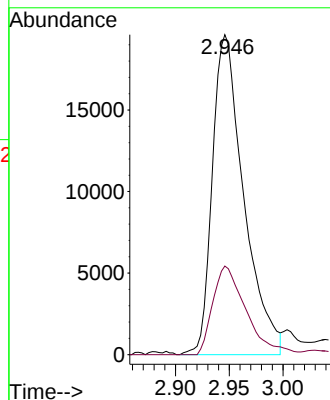
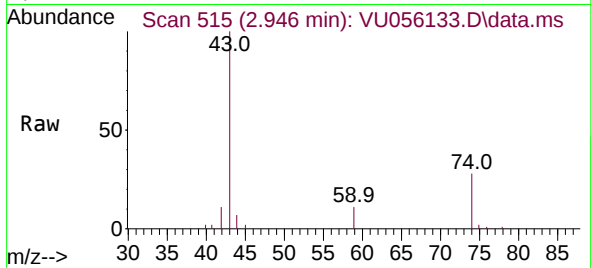




#15
Methyl Acetate
Concen: 4.671 ug/L
RT: 2.946 min Scan# 515
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

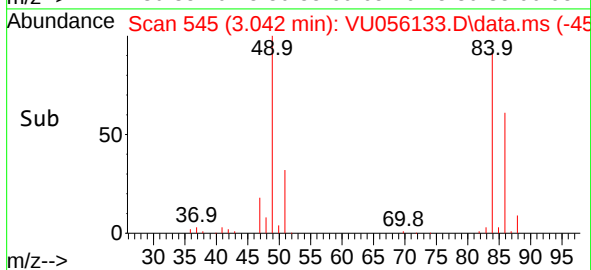
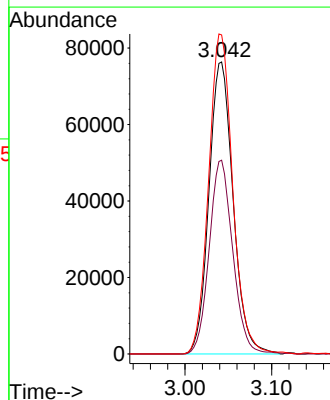
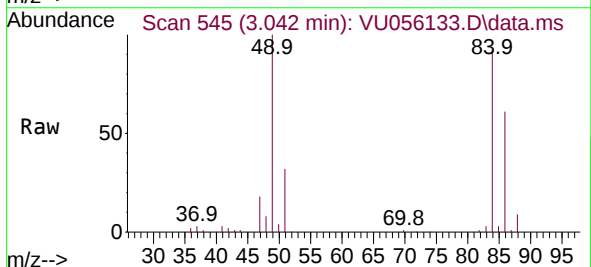
Instrument :
MSVOA_U
ClientSampleId :

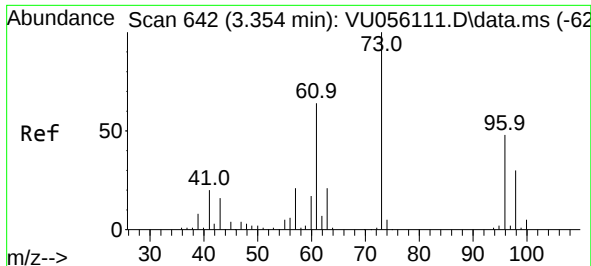
Tgt Ion: 43 Resp: 39880
Ion Ratio Lower Upper
43 100
74 29.4 23.3 34.9



#16
Methylene chloride
Concen: 4.989 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.003 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 84 Resp: 148128
Ion Ratio Lower Upper
84 100
86 66.4 44.9 83.5
49 109.2 75.0 139.4

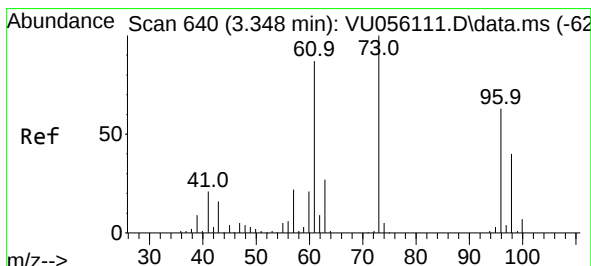
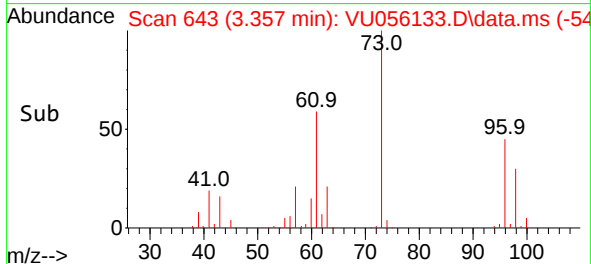
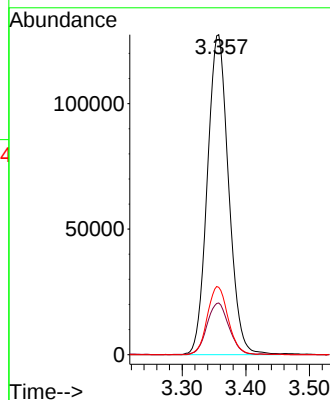
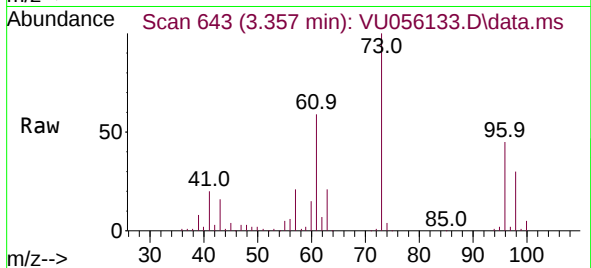




#17
Methyl tert-butyl Ether
Concen: 5.064 ug/L
RT: 3.357 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

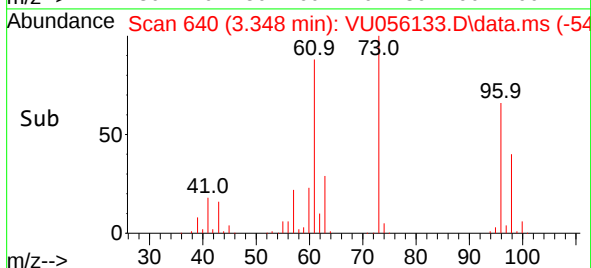
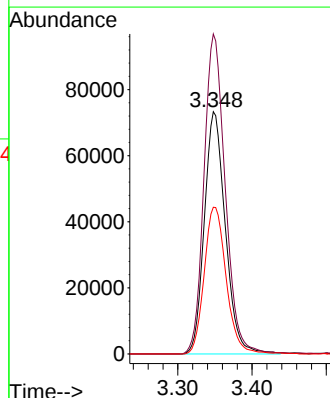
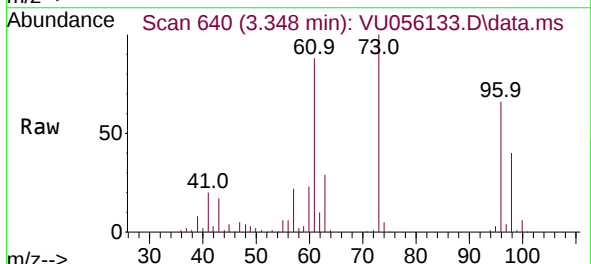
Instrument :
MSVOA_U
ClientSampleId :

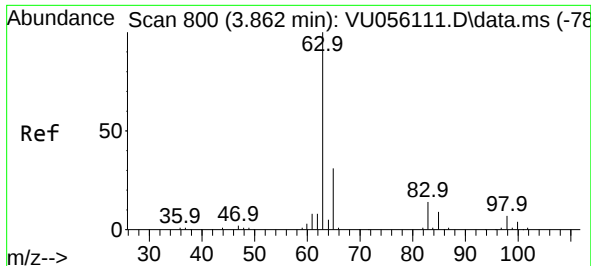
Tgt Ion: 73 Resp: 295414
Ion Ratio Lower Upper
73 100
43 16.5 13.6 20.4
57 20.8 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.253 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 96 Resp: 144139
Ion Ratio Lower Upper
96 100
61 132.1 96.7 179.5
98 60.6 44.3 82.3

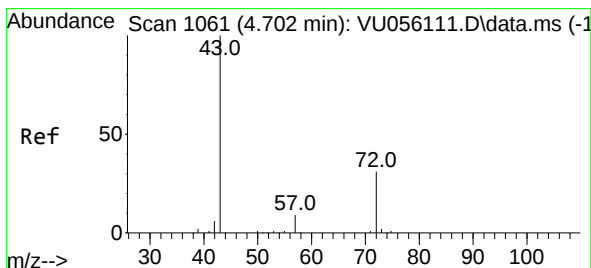
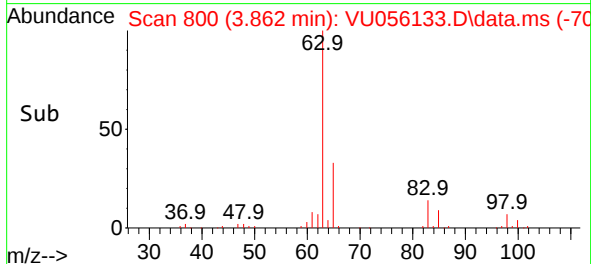
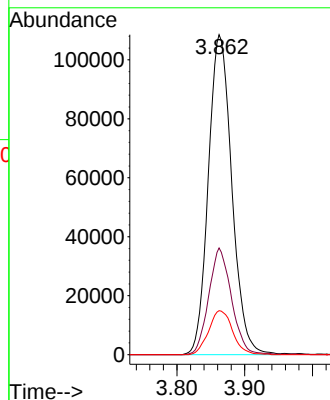
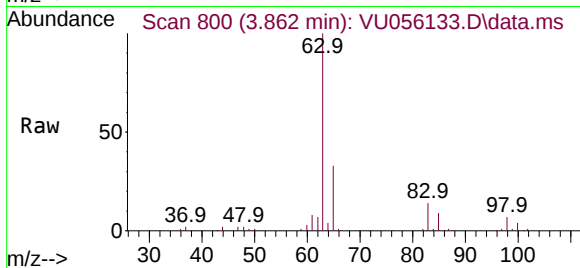




#19
1,1-Dichloroethane
Concen: 5.217 ug/L
RT: 3.862 min Scan# 80
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

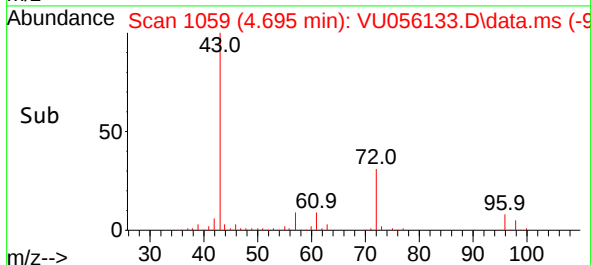
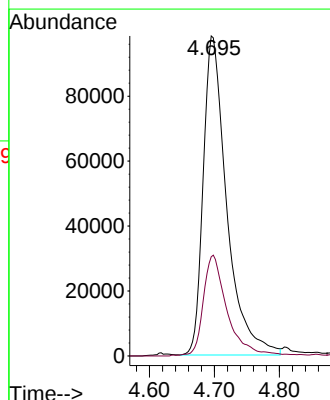
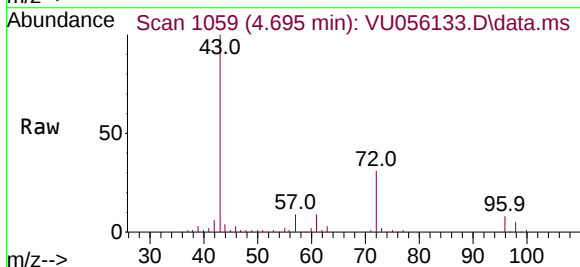
Instrument :
MSVOA_U
ClientSampleId :

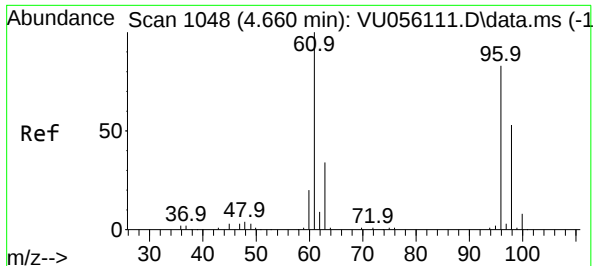
Tgt Ion: 63 Resp: 261130
Ion Ratio Lower Upper
63 100
65 33.3 20.6 38.2
83 13.7 9.6 17.8



#21
2-Butanone
Concen: 49.677 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.007 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 43 Resp: 247878
Ion Ratio Lower Upper
43 100
72 31.3 15.7 47.0





#22

cis-1,2-Dichloroethene

Concen: 5.302 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

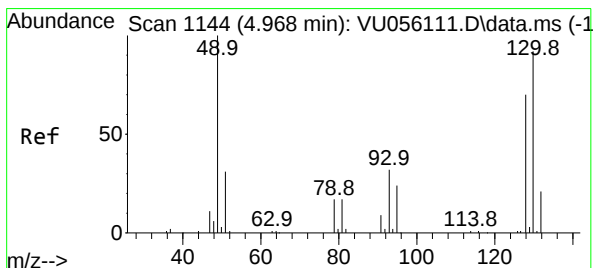
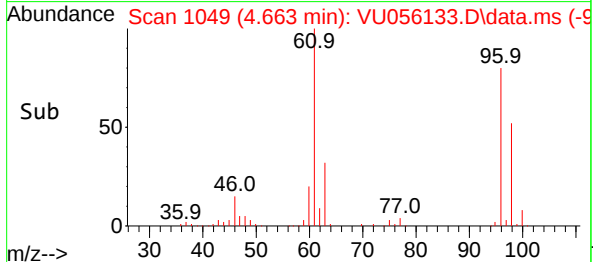
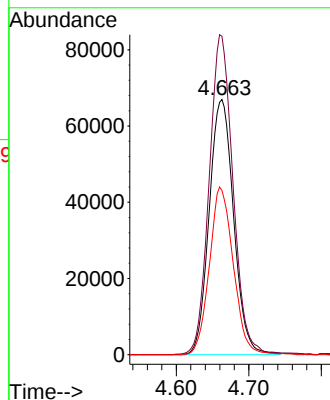
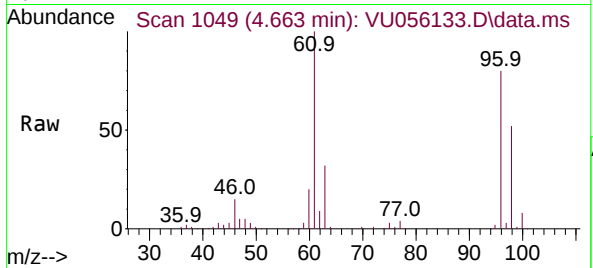
Tgt Ion: 96 Resp: 157038

Ion Ratio Lower Upper

96 100

61 124.8 87.8 163.2

98 64.3 43.5 80.7



#23

Bromochloromethane

Concen: 5.065 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Tgt Ion:128 Resp: 66572

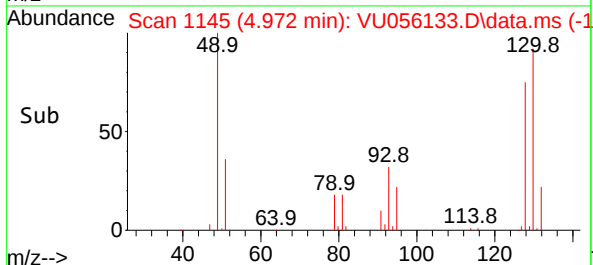
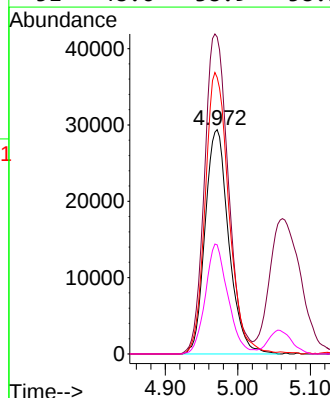
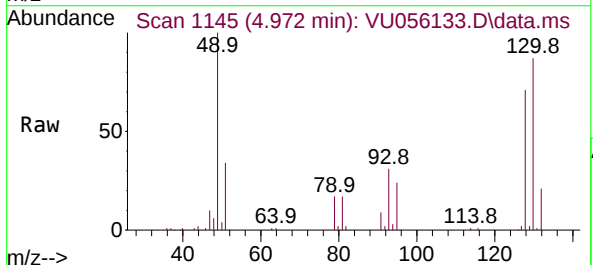
Ion Ratio Lower Upper

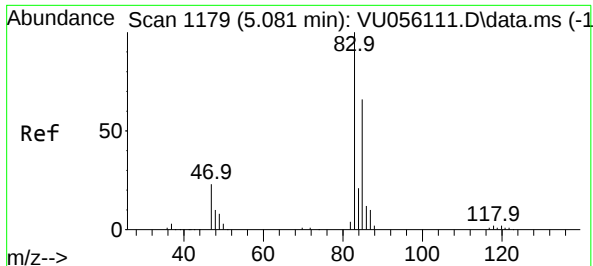
128 100

49 141.3 103.7 192.7

130 123.3 91.8 170.6

51 48.6 38.9 58.3





#25

Chloroform

Concen: 5.224 ug/L

RT: 5.084 min Scan# 1179

Delta R.T. 0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

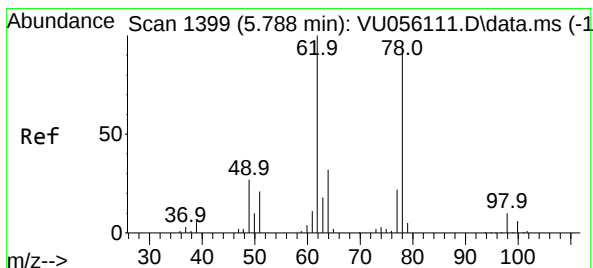
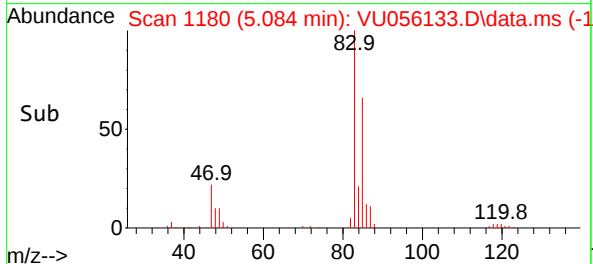
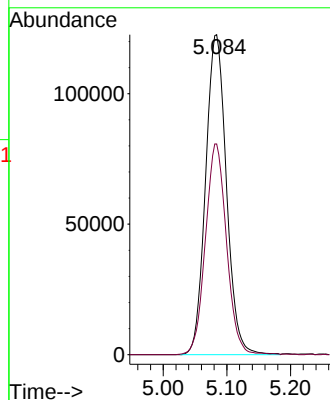
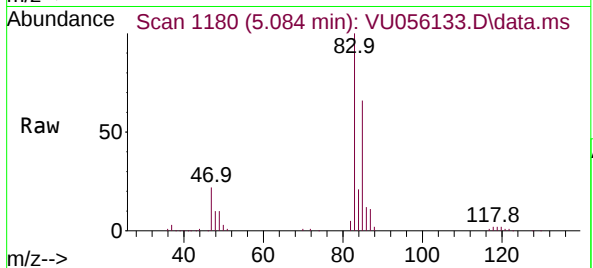
ClientSampleId :

Tgt Ion: 83 Resp: 278620

Ion Ratio Lower Upper

83 100

85 65.9 45.3 84.1



#27

1,2-Dichloroethane

Concen: 4.992 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056133.D

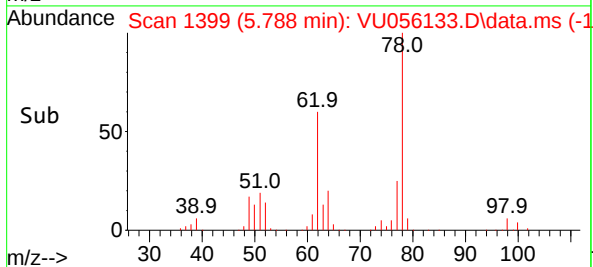
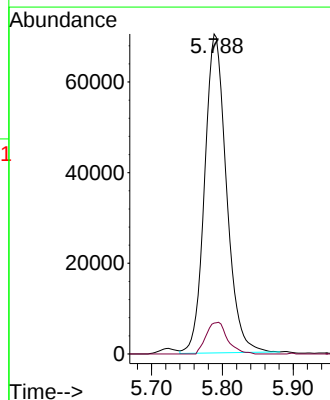
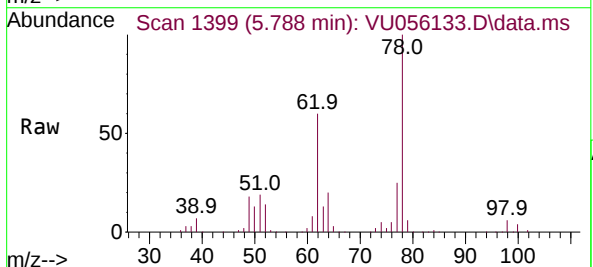
Acq: 09 Nov 2023 11:25

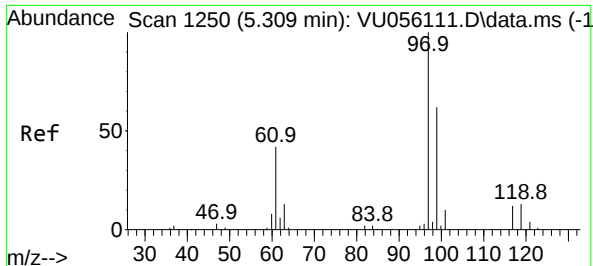
Tgt Ion: 62 Resp: 150704

Ion Ratio Lower Upper

62 100

98 9.7 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 5.303 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. 0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

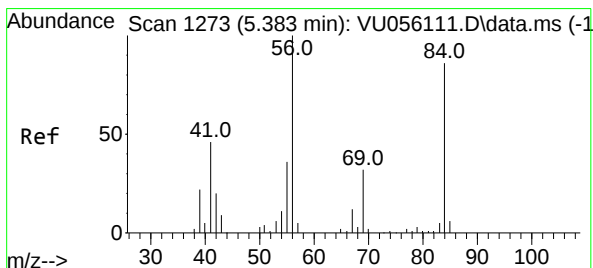
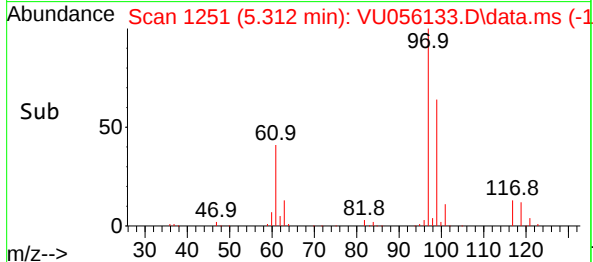
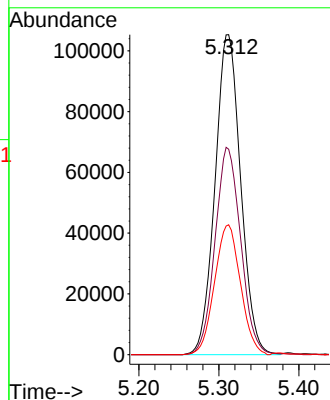
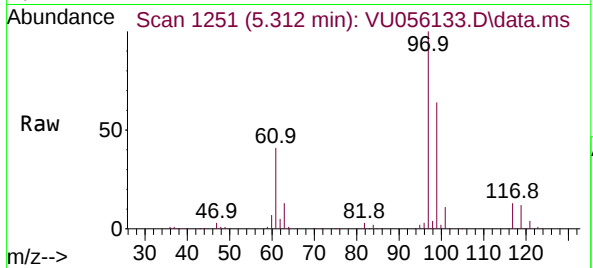
Tgt Ion: 97 Resp: 234911

Ion Ratio Lower Upper

97 100

99 64.8 52.0 78.0

61 41.0 33.4 50.0



#30

Cyclohexane

Concen: 5.394 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

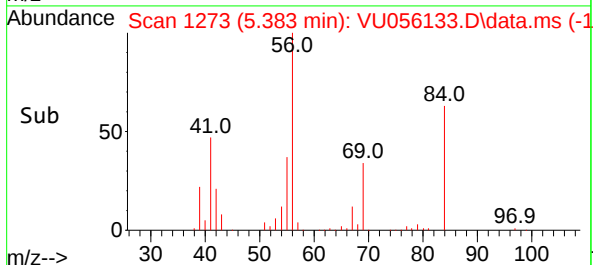
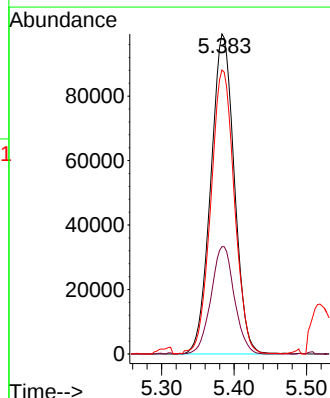
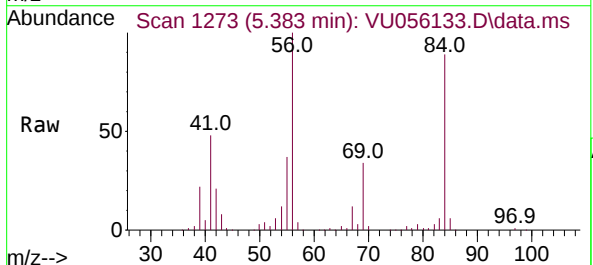
Tgt Ion: 56 Resp: 223271

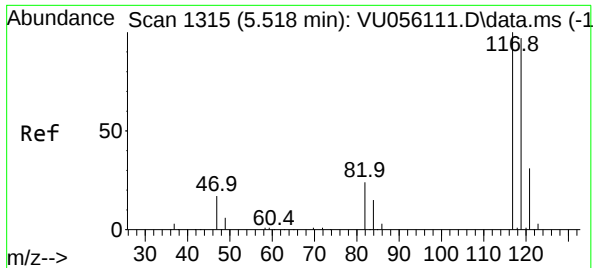
Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

84 88.6 70.4 105.6

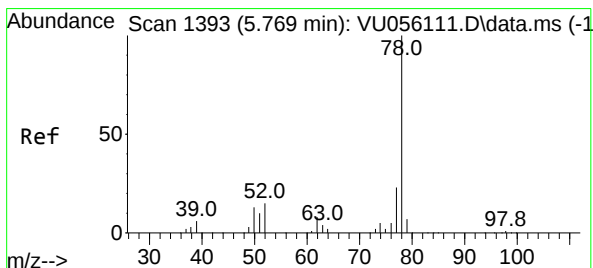
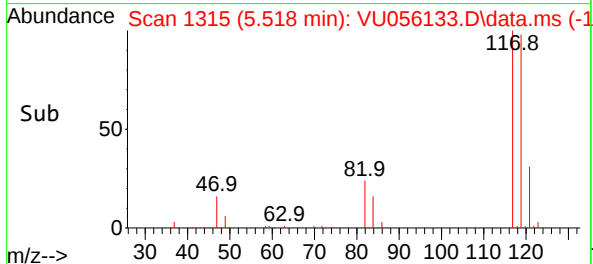
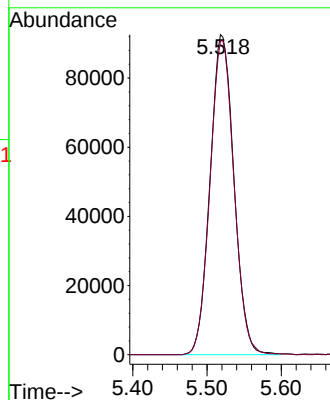
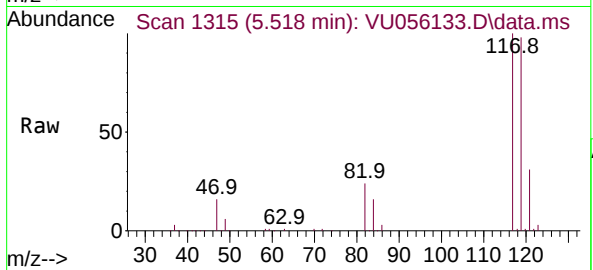




#31
Carbon tetrachloride
Concen: 5.256 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

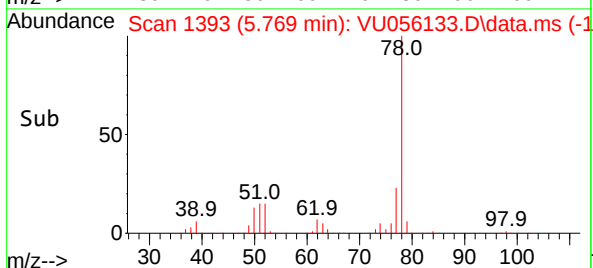
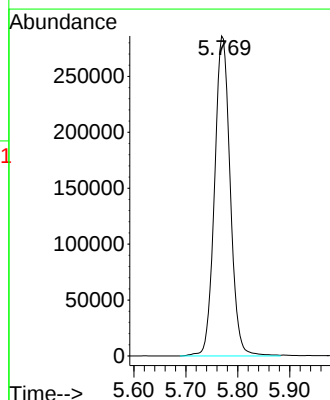
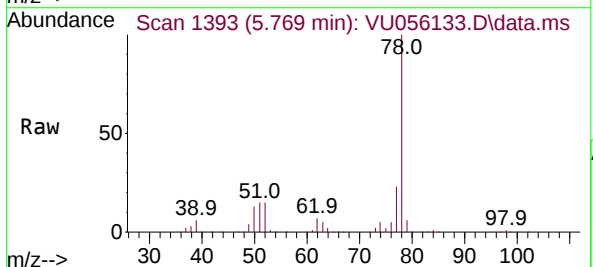
Instrument :
MSVOA_U
ClientSampleId :

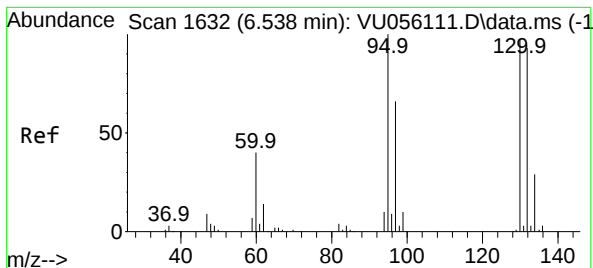
Tgt Ion:117 Resp: 206774
Ion Ratio Lower Upper
117 100
119 98.3 77.2 115.8



#33
Benzene
Concen: 5.412 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 78 Resp: 599269





#34

Trichloroethene

Concen: 5.367 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 162336

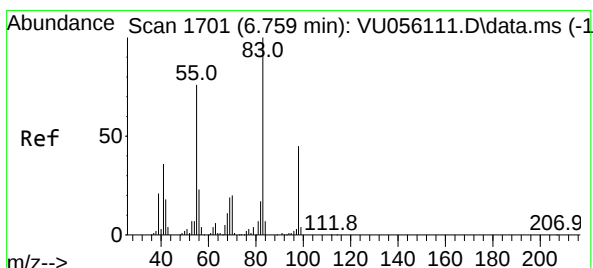
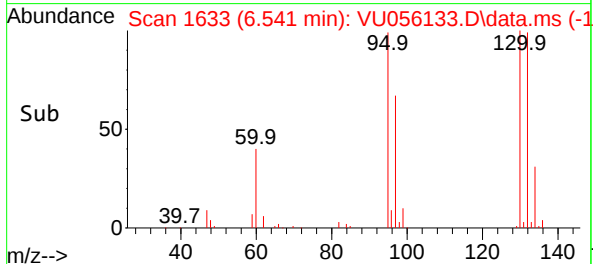
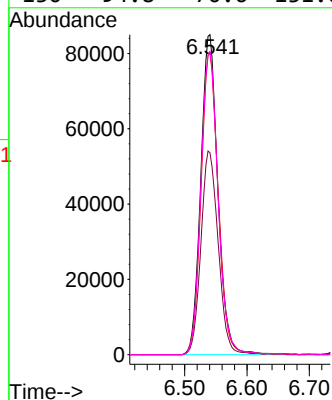
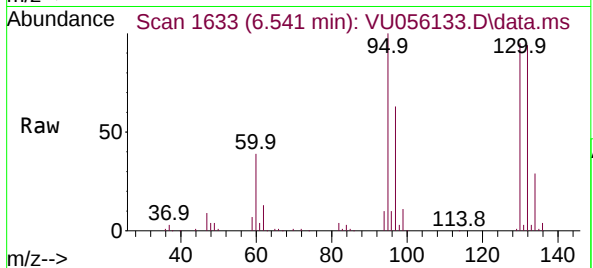
Ion Ratio Lower Upper

95 100

97 63.1 46.8 87.0

132 94.3 66.5 123.5

130 94.8 70.6 131.0



#35

Methylcyclohexane

Concen: 5.368 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

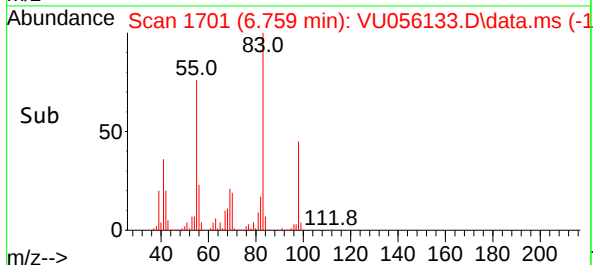
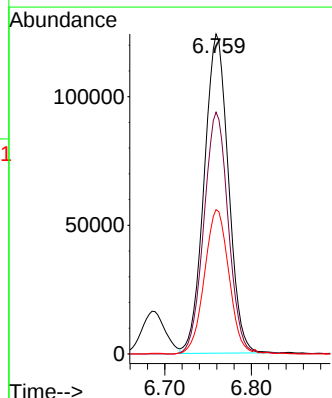
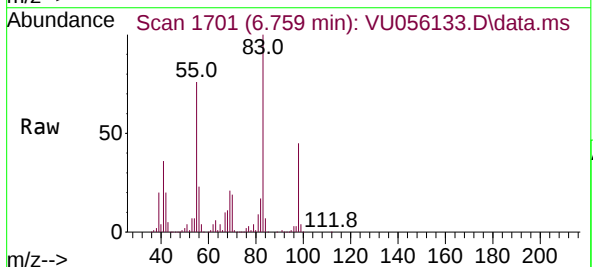
Tgt Ion: 83 Resp: 241314

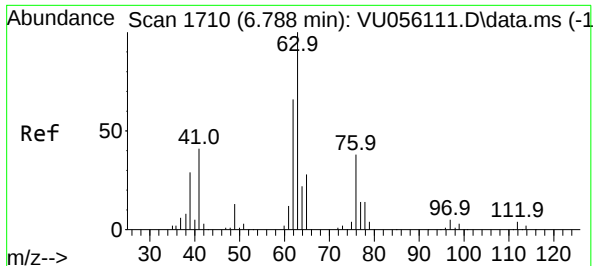
Ion Ratio Lower Upper

83 100

55 76.2 60.6 91.0

98 45.8 36.2 54.4

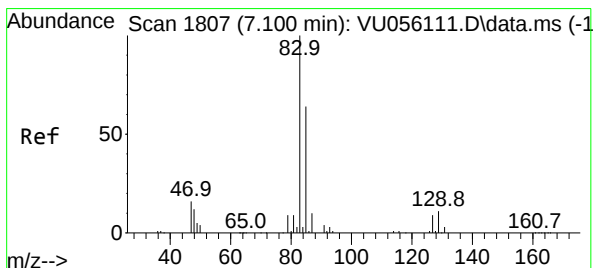
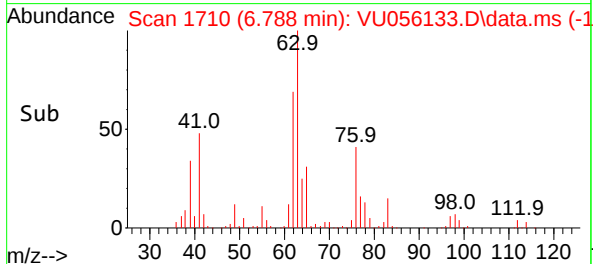
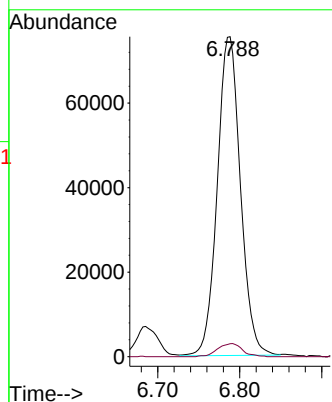
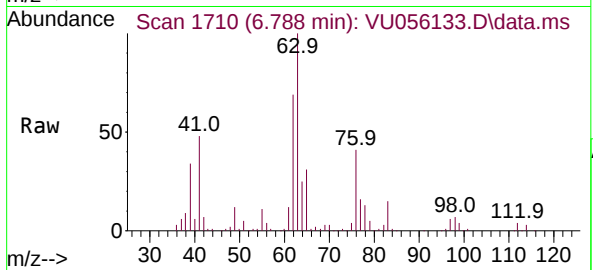




#37
1,2-Dichloropropane
Concen: 5.149 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

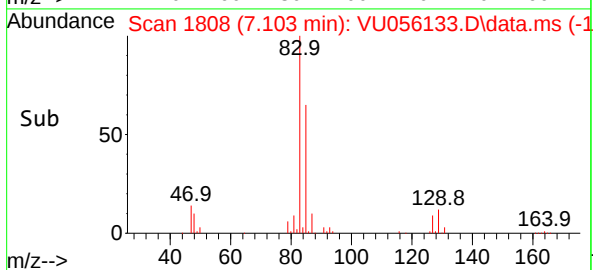
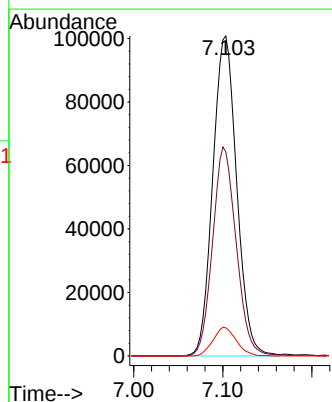
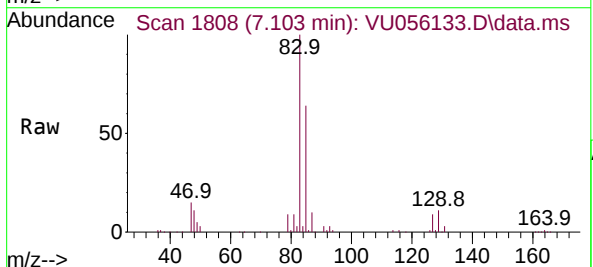
Instrument :
MSVOA_U
ClientSampleId :

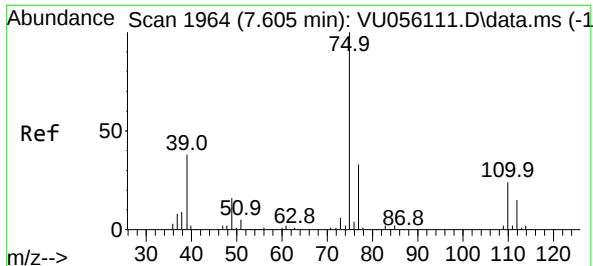
Tgt Ion: 63 Resp: 148268
Ion Ratio Lower Upper
63 100
112 4.4 3.4 5.2



#38
Bromodichloromethane
Concen: 5.239 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 83 Resp: 188376
Ion Ratio Lower Upper
83 100
85 63.8 46.6 86.6
127 8.8 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.278 ug/L

RT: 7.605 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

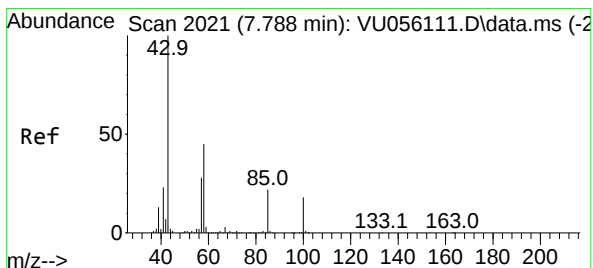
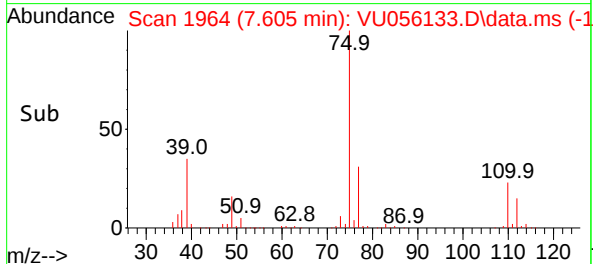
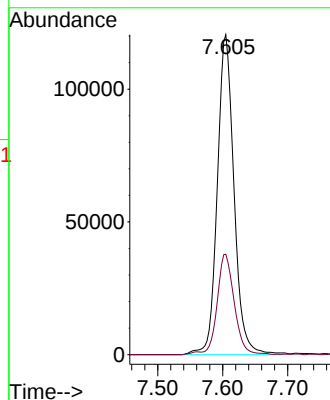
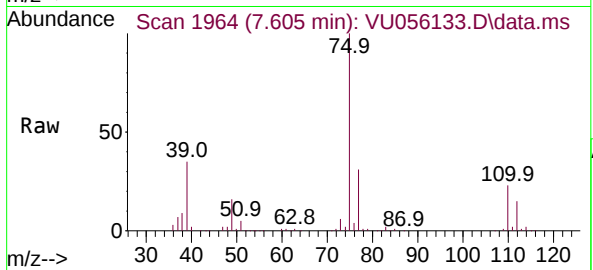
ClientSampleId :

Tgt Ion: 75 Resp: 214504

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 50.842 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

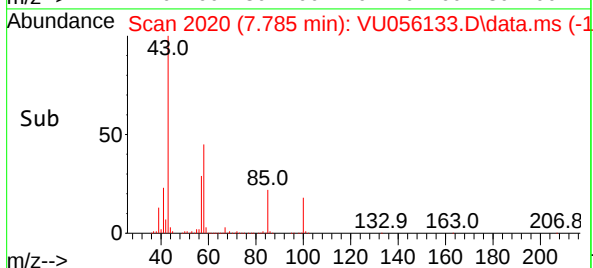
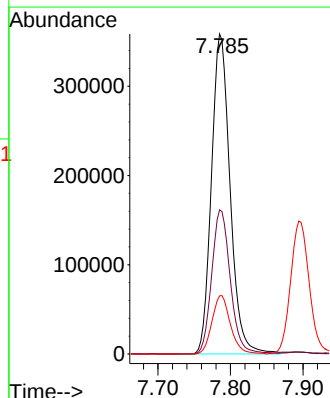
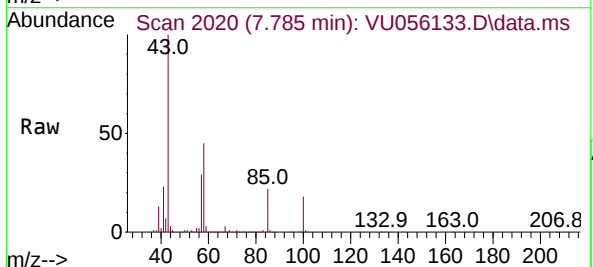
Tgt Ion: 43 Resp: 640341

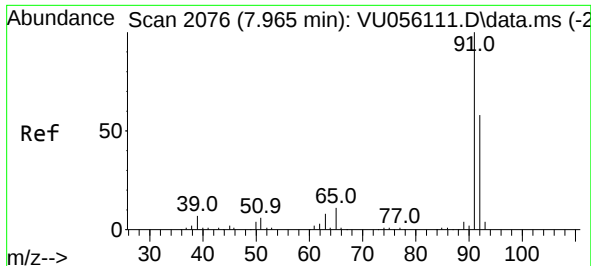
Ion Ratio Lower Upper

43 100

58 45.0 36.0 54.0

100 18.0 14.2 21.4





#42

Toluene

Concen: 5.489 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

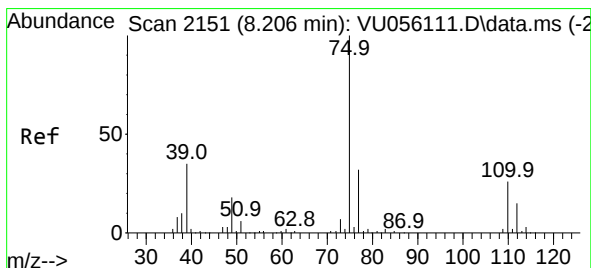
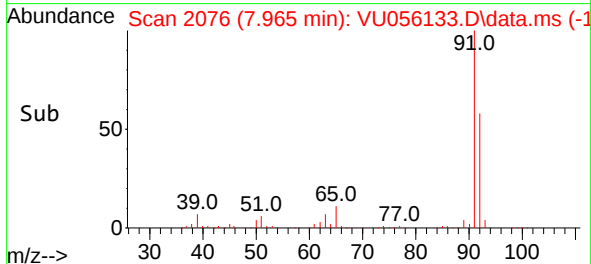
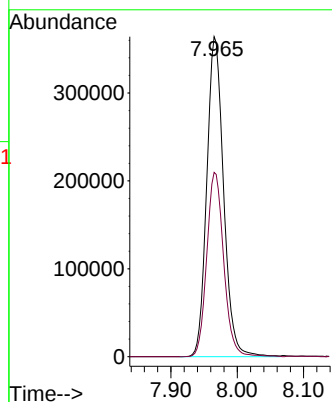
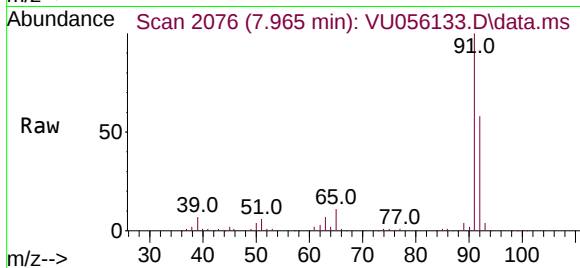
ClientSampleId :

Tgt Ion: 91 Resp: 640759

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.136 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056133.D

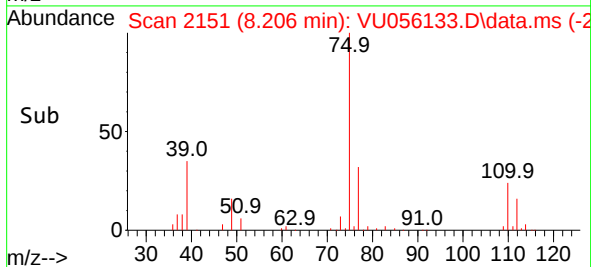
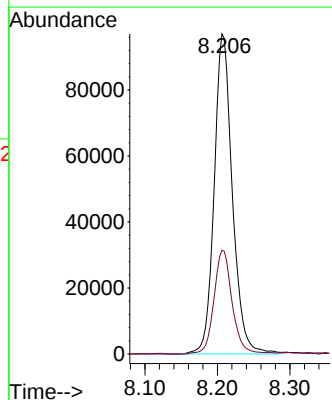
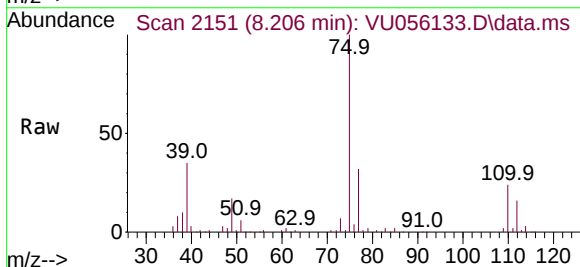
Acq: 09 Nov 2023 11:25

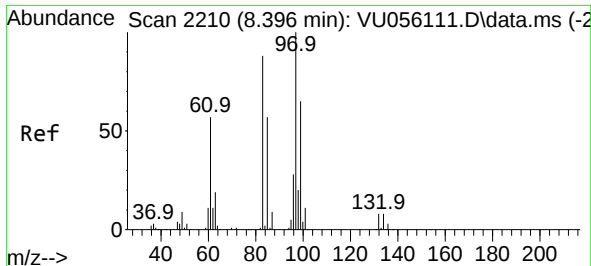
Tgt Ion: 75 Resp: 168996

Ion Ratio Lower Upper

75 100

77 32.5 21.7 40.3



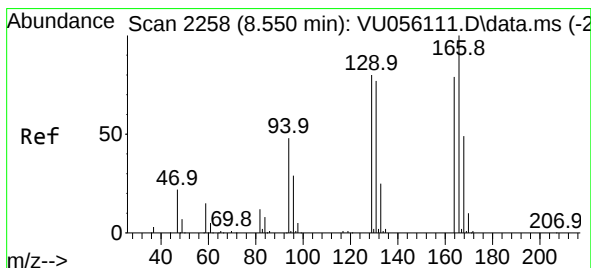
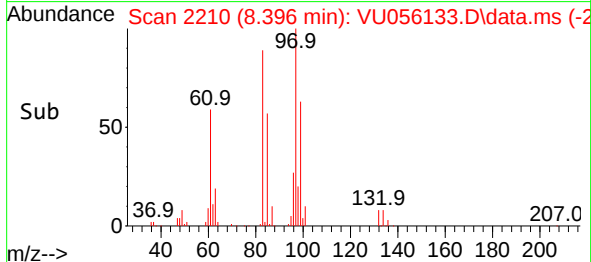
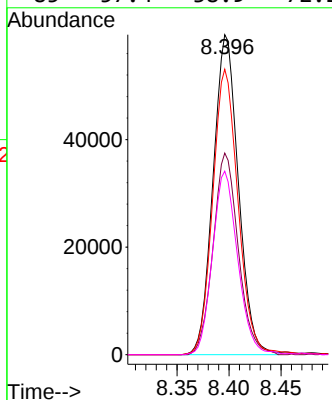
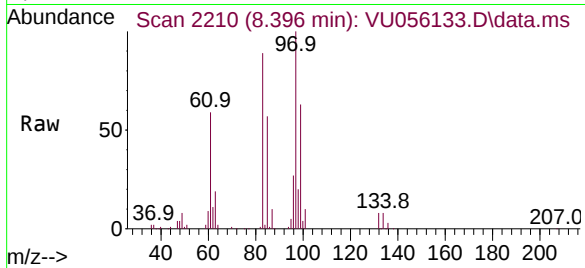


#45
1,1,2-Trichloroethane
Concen: 5.113 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 100645

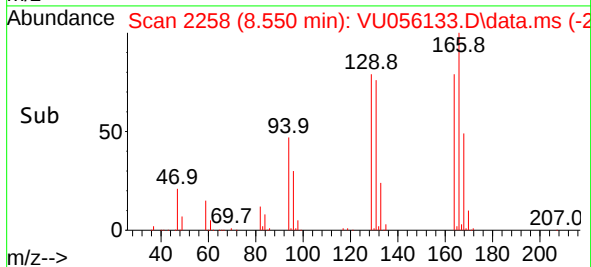
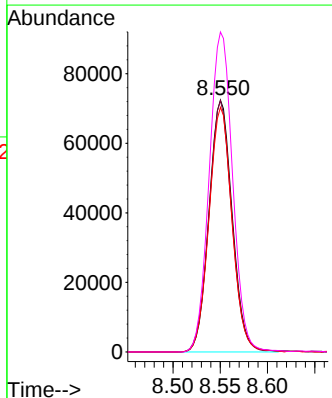
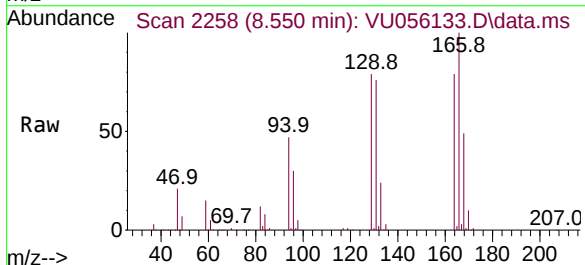
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.7	82.9
83	89.2	59.4	110.2
85	57.4	38.9	72.2

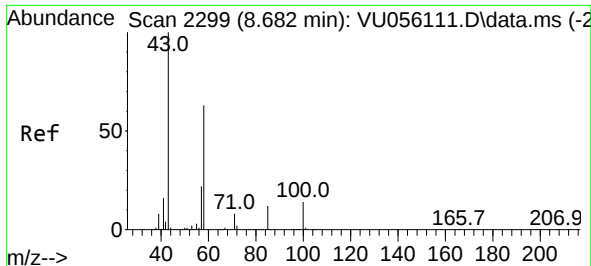


#47
Tetrachloroethene
Concen: 5.461 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 164 Resp: 123959

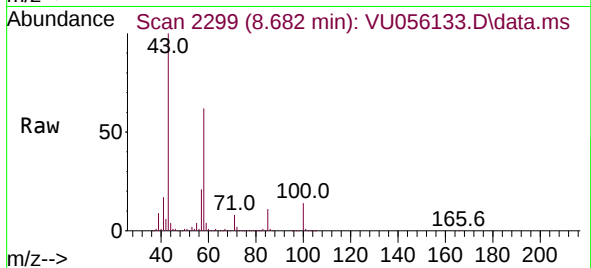
Ion	Ratio	Lower	Upper
164	100		
129	99.7	66.6	123.8
131	97.1	67.8	126.0
166	127.0	85.9	159.5



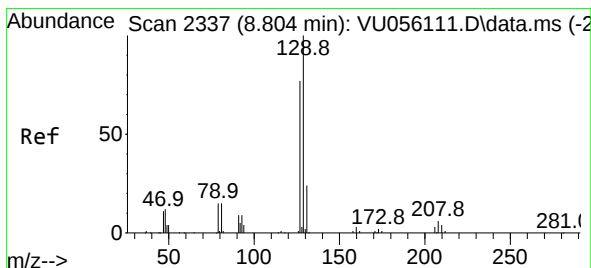
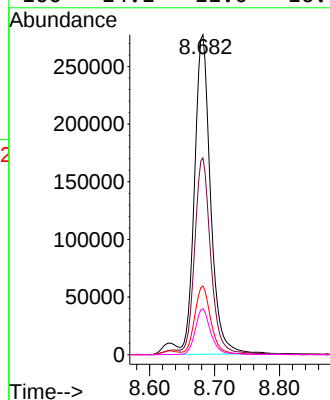
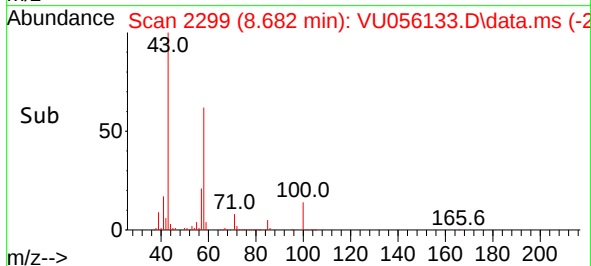


#48
2-Hexanone
Concen: 51.935 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Instrument :
MSVOA_U
ClientSampleId :

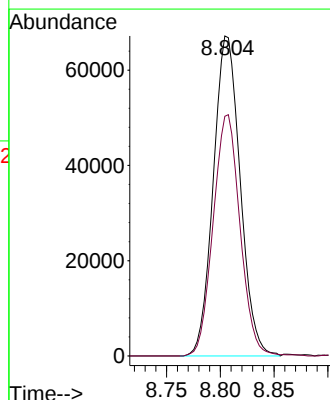
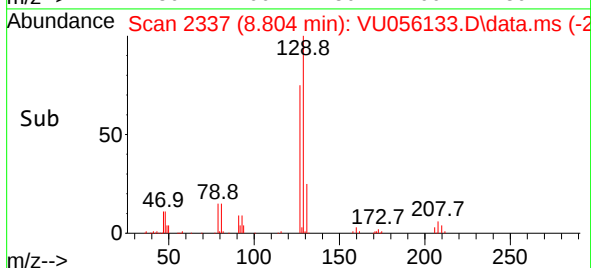
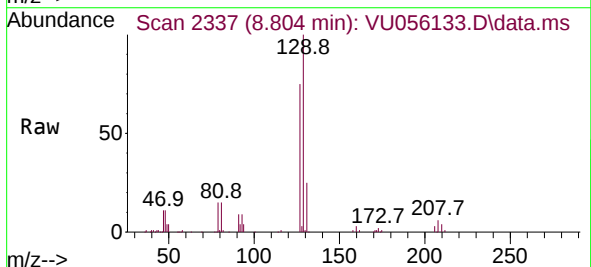


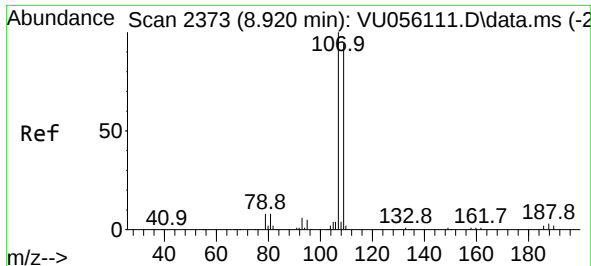
Tgt Ion: 43 Resp: 476245
Ion Ratio Lower Upper
43 100
58 61.9 52.0 78.0
57 22.0 17.4 26.2
100 14.1 11.0 16.6



#49
Dibromochloromethane
Concen: 5.174 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 129 Resp: 116865
Ion Ratio Lower Upper
129 100
127 74.9 55.4 102.8





#50

1,2-Dibromoethane

Concen: 5.152 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

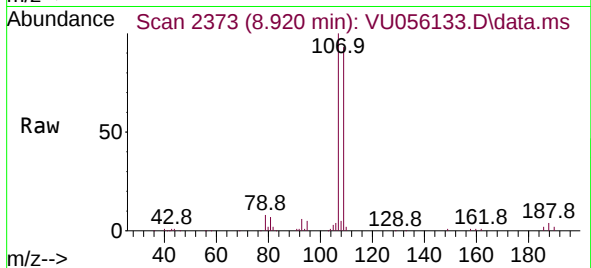
Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :



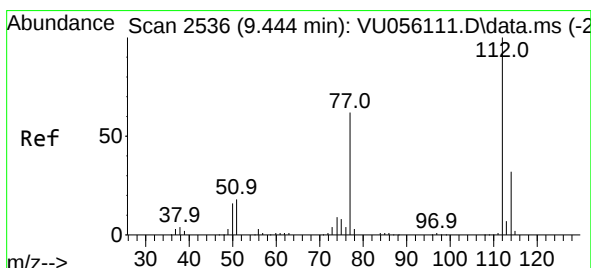
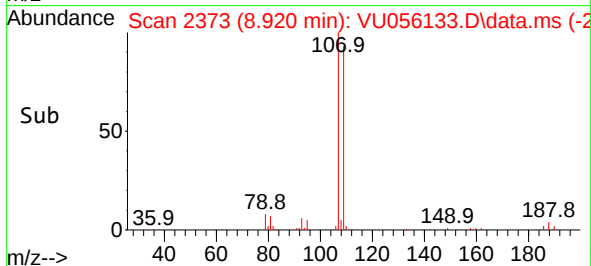
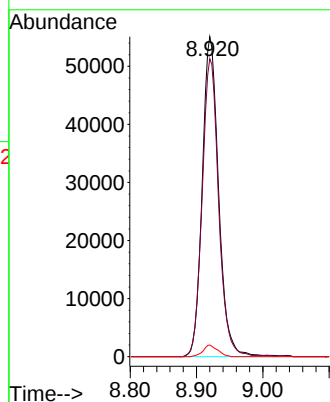
Tgt Ion:107 Resp: 94757

Ion Ratio Lower Upper

107 100

109 93.1 66.9 124.3

188 3.7 2.5 3.7



#51

Chlorobenzene

Concen: 5.281 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

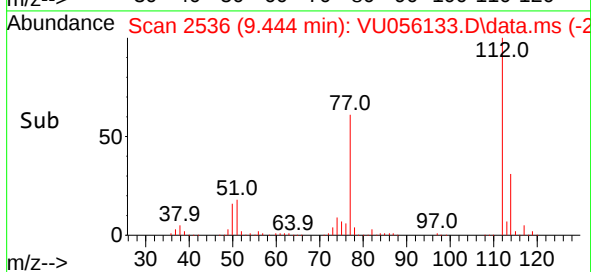
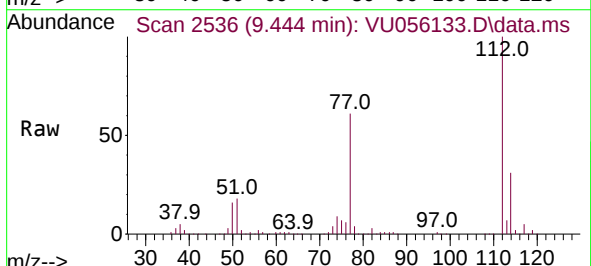
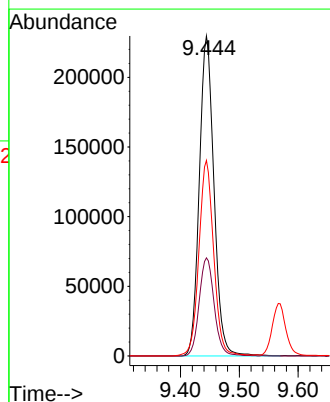
Tgt Ion:112 Resp: 397709

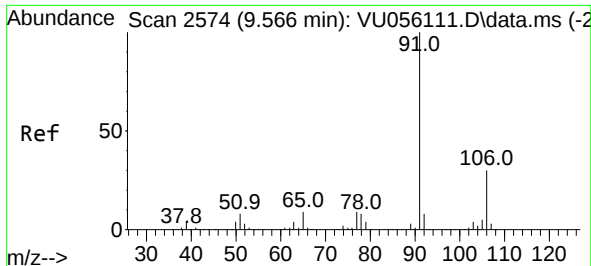
Ion Ratio Lower Upper

112 100

114 30.7 21.8 40.4

77 61.1 48.2 72.4





#52

Ethylbenzene

Concen: 5.453 ug/L

RT: 9.566 min Scan# 2574

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

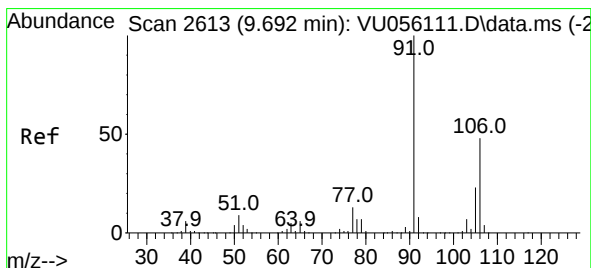
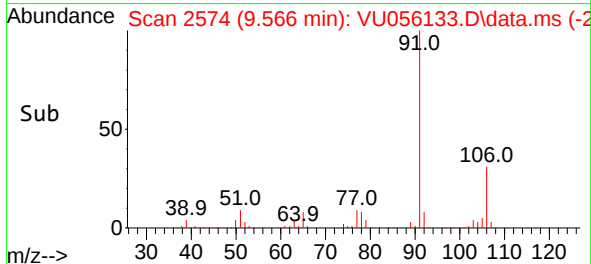
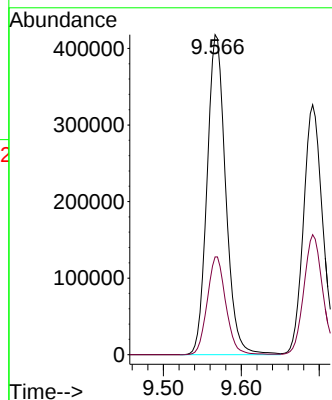
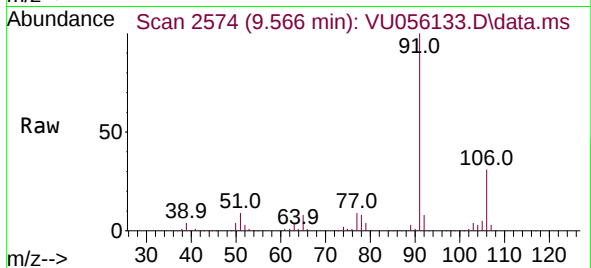
ClientSampleId :

Tgt Ion: 91 Resp: 693685

Ion Ratio Lower Upper

91 100

106 30.5 21.2 39.4



#53

m,p-Xylene

Concen: 5.489 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. -0.000 min

Lab File: VU056133.D

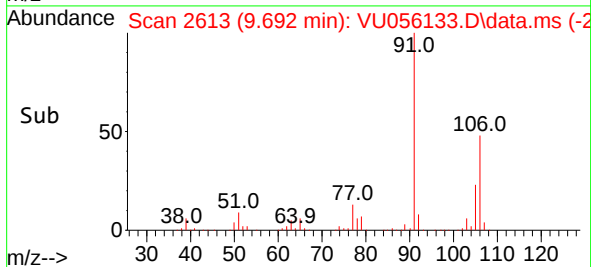
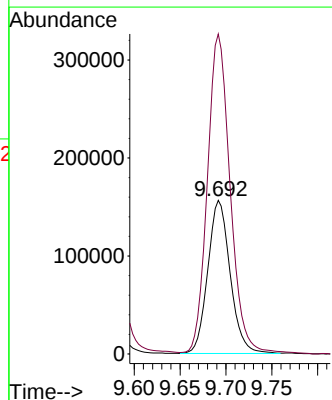
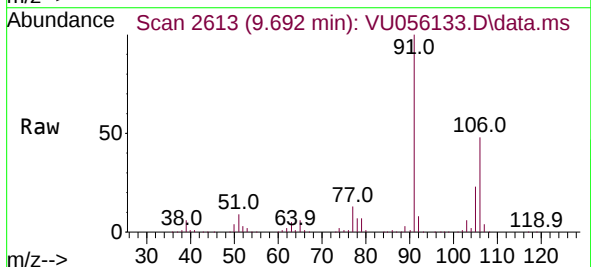
Acq: 09 Nov 2023 11:25

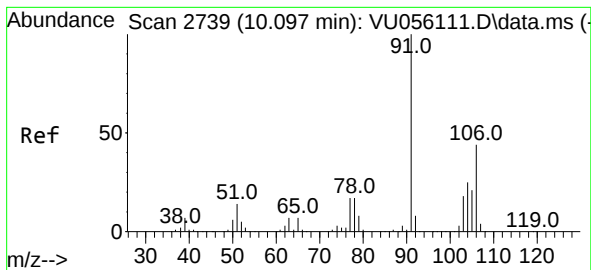
Tgt Ion:106 Resp: 265536

Ion Ratio Lower Upper

106 100

91 208.4 144.9 269.1





#54

o-Xylene

Concen: 5.505 ug/L

RT: 10.097 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

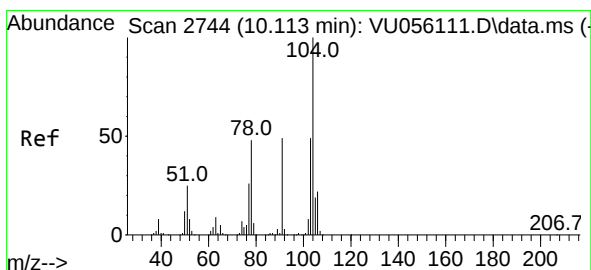
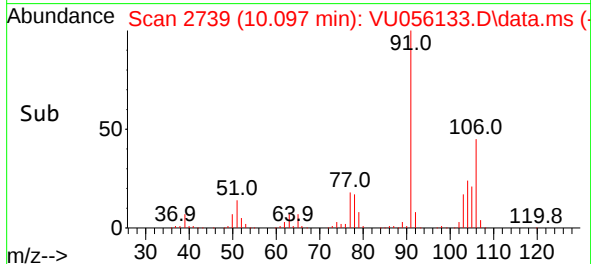
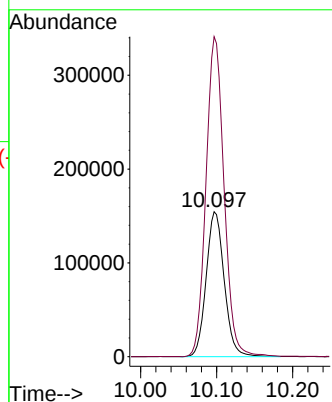
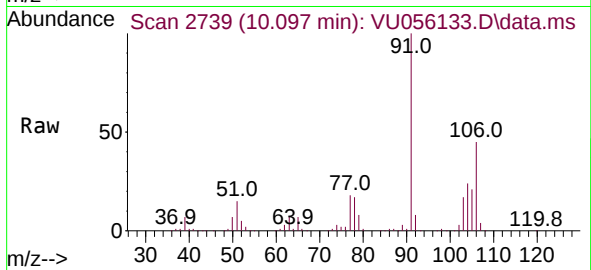
ClientSampleId :

Tgt Ion:106 Resp: 255300

Ion Ratio Lower Upper

106 100

91 220.7 158.2 293.8



#55

Styrene

Concen: 5.697 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. -0.000 min

Lab File: VU056133.D

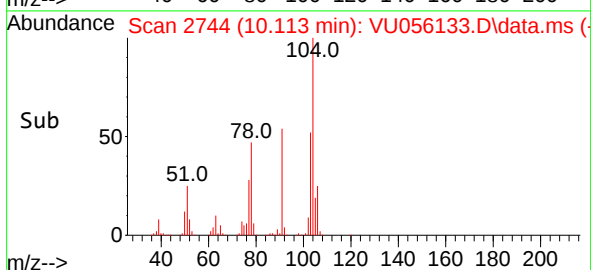
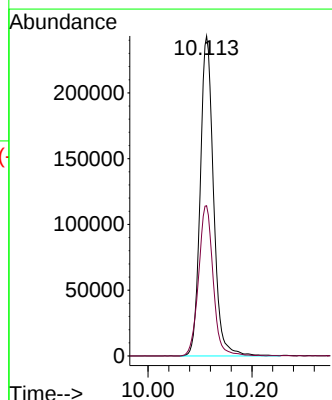
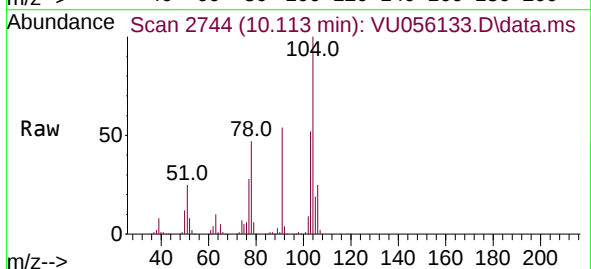
Acq: 09 Nov 2023 11:25

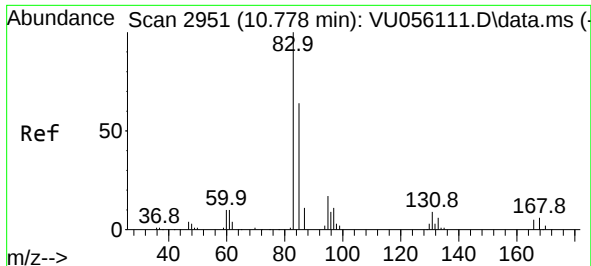
Tgt Ion:104 Resp: 432217

Ion Ratio Lower Upper

104 100

78 46.9 33.5 62.3





#57

1,1,2,2-Tetrachloroethane

Concen: 5.052 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

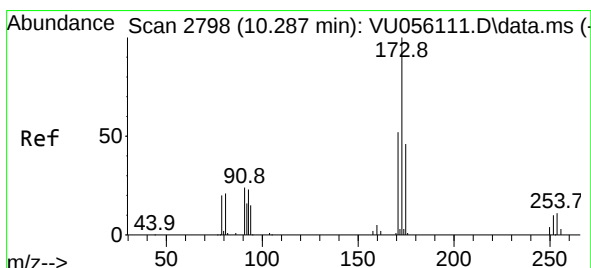
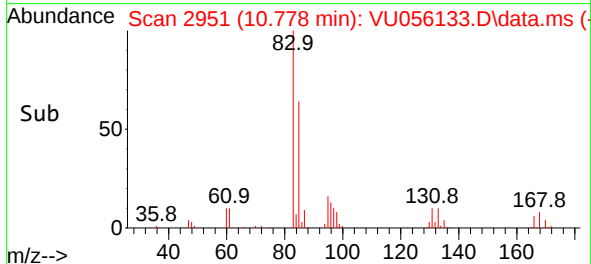
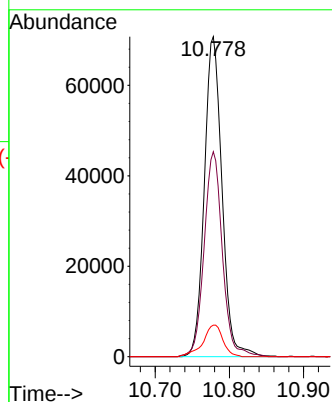
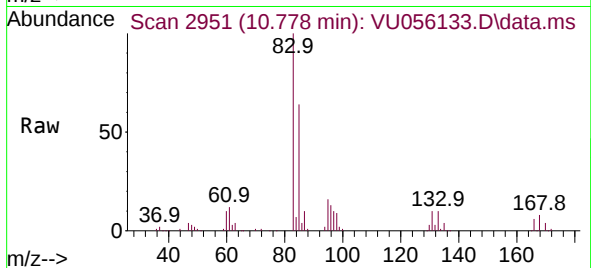
Tgt Ion: 83 Resp: 116854

Ion Ratio Lower Upper

83 100

85 64.1 44.0 81.8

131 9.8 7.4 11.2



#59

Bromoform

Concen: 4.981 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

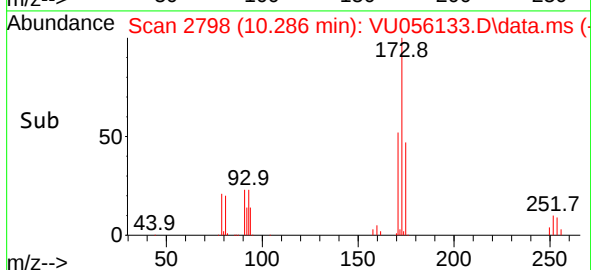
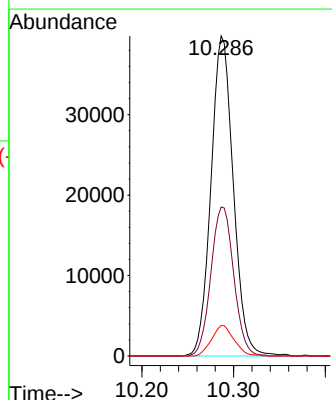
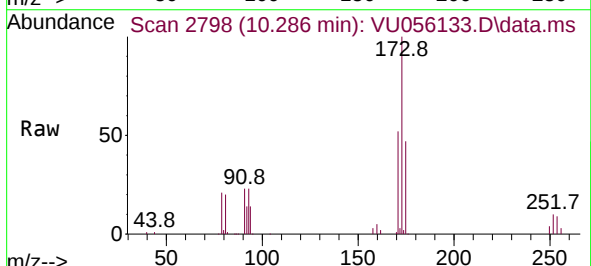
Tgt Ion:173 Resp: 67314

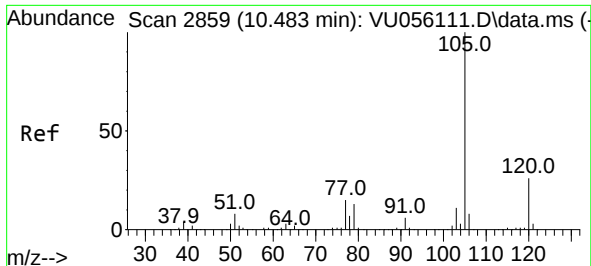
Ion Ratio Lower Upper

173 100

175 47.5 39.0 58.4

254 9.5 8.2 12.2

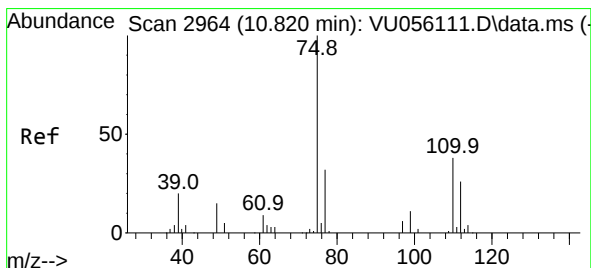
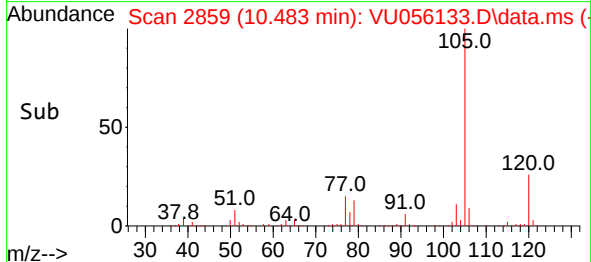
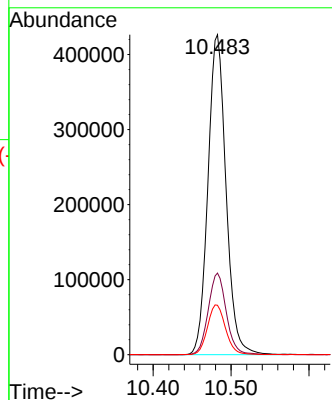
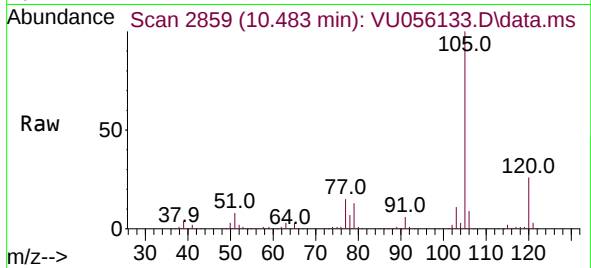




#60
Isopropylbenzene
Concen: 5.439 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

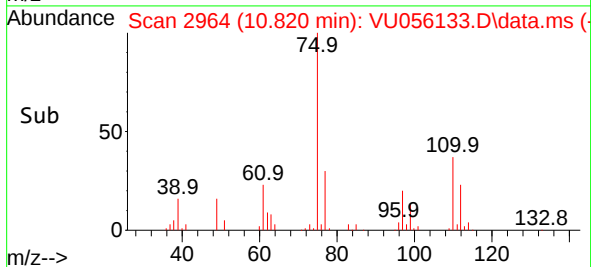
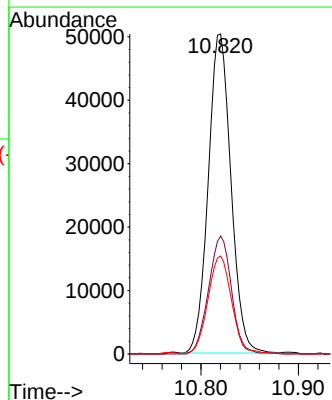
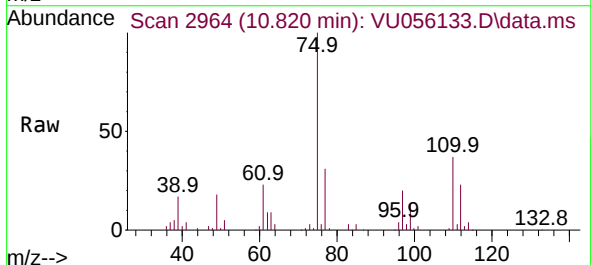
Instrument :
MSVOA_U
ClientSampleId :

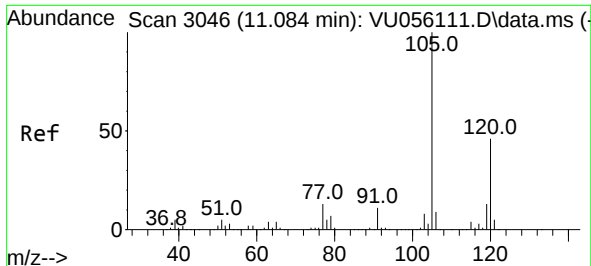
Tgt Ion:105 Resp: 686203
Ion Ratio Lower Upper
105 100
120 25.6 20.6 30.8
77 15.5 12.6 19.0



#61
1,2,3-Trichloropropane
Concen: 4.845 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion: 75 Resp: 81380
Ion Ratio Lower Upper
75 100
110 37.2 29.7 44.5
77 31.3 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.469 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

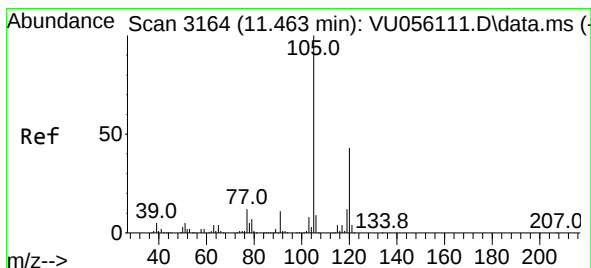
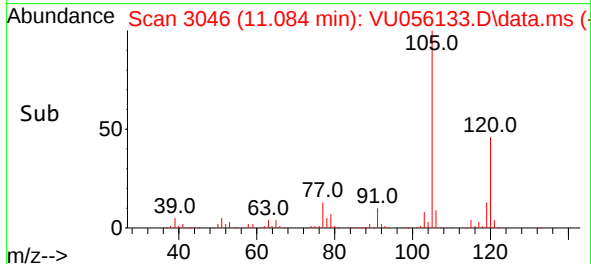
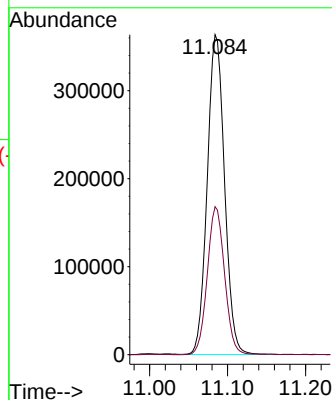
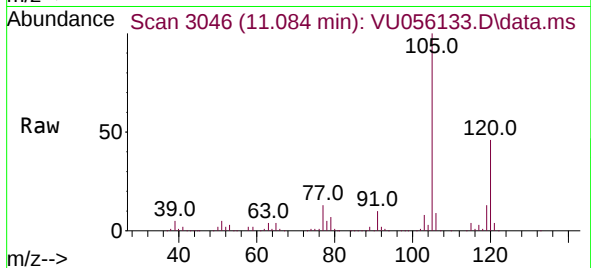
ClientSampleId :

Tgt Ion:105 Resp: 559623

Ion Ratio Lower Upper

105 100

120 46.3 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 5.503 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056133.D

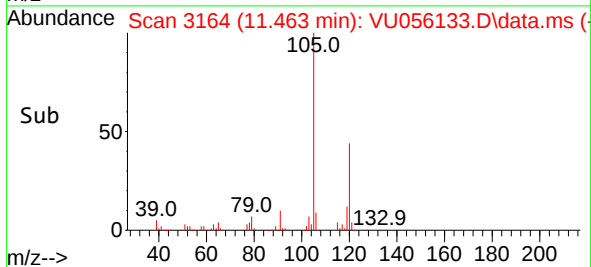
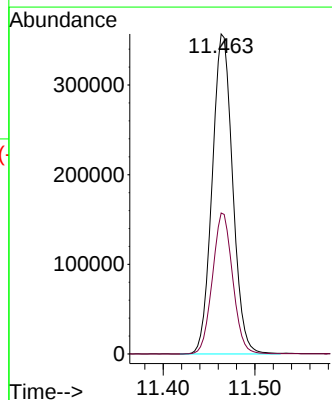
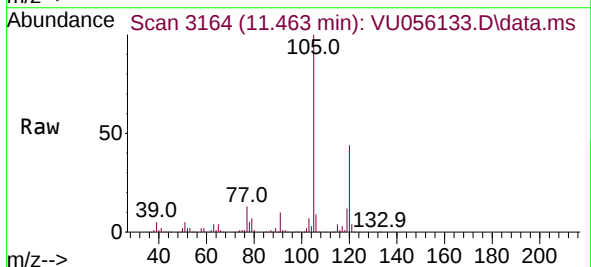
Acq: 09 Nov 2023 11:25

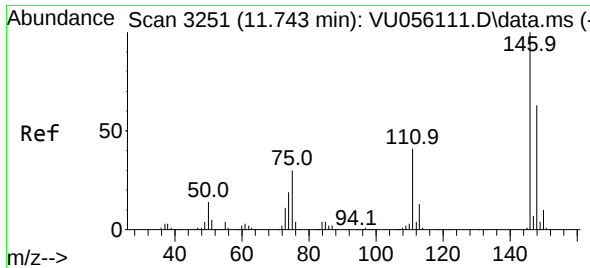
Tgt Ion:105 Resp: 552352

Ion Ratio Lower Upper

105 100

120 43.6 35.4 53.0

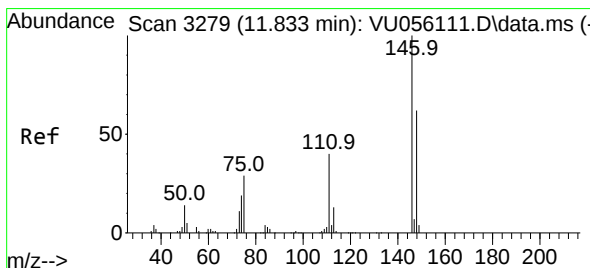
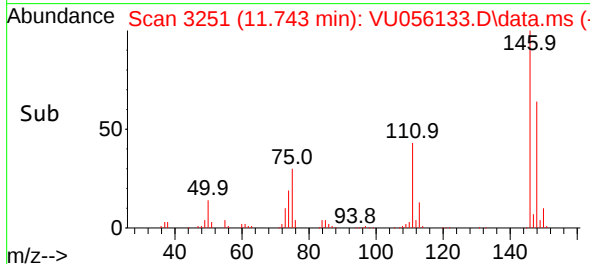
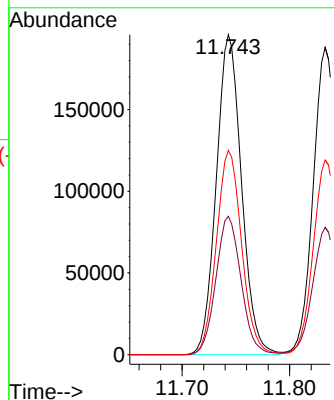
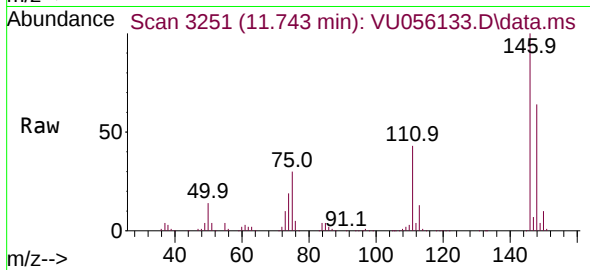




#64
1,3-Dichlorobenzene
Concen: 5.346 ug/L
RT: 11.743 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

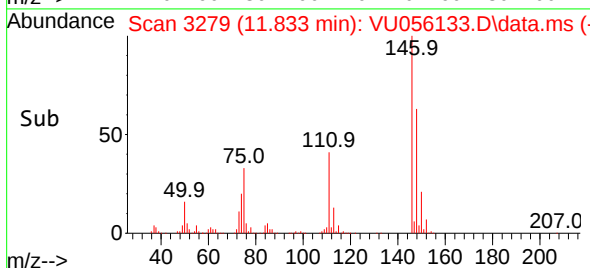
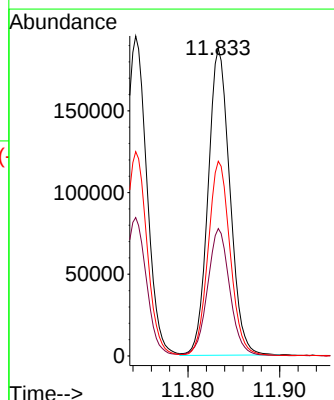
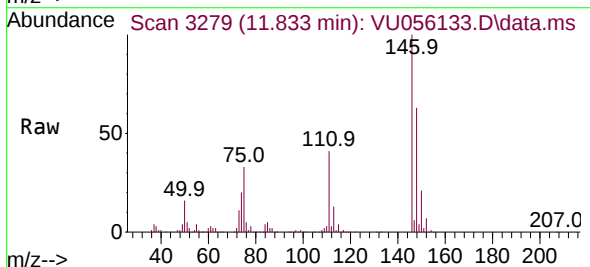
Instrument :
MSVOA_U
ClientSampleId :

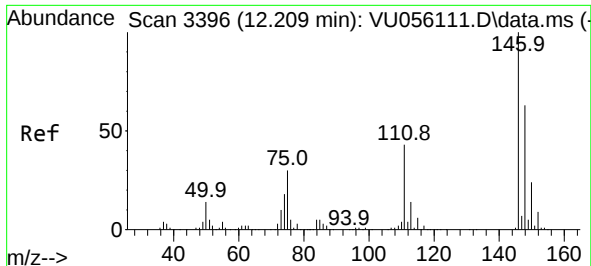
Tgt Ion:146 Resp: 319450
Ion Ratio Lower Upper
146 100
111 43.3 29.7 55.1
148 63.9 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 5.253 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056133.D
Acq: 09 Nov 2023 11:25

Tgt Ion:146 Resp: 310384
Ion Ratio Lower Upper
146 100
111 41.4 29.0 53.8
148 63.4 43.9 81.5





#67

1,2-Dichlorobenzene

Concen: 5.290 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

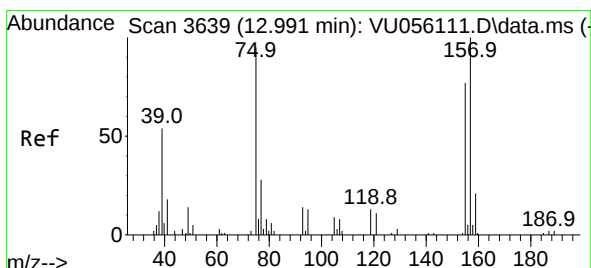
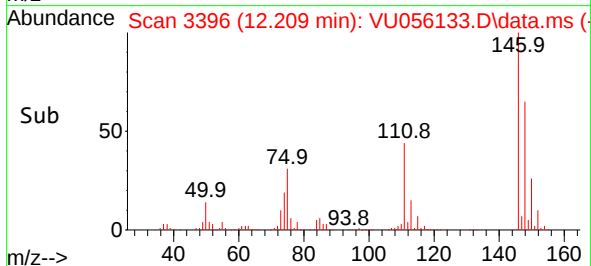
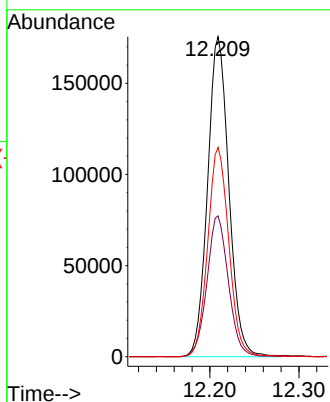
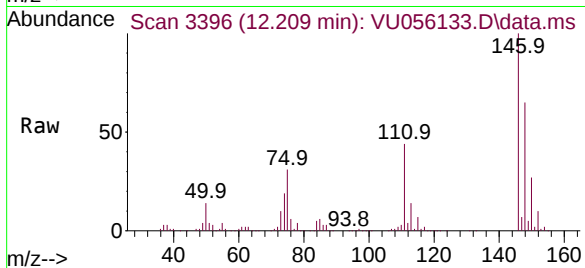
Tgt Ion:146 Resp: 291321

Ion Ratio Lower Upper

146 100

111 44.0 35.2 52.8

148 65.4 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.691 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

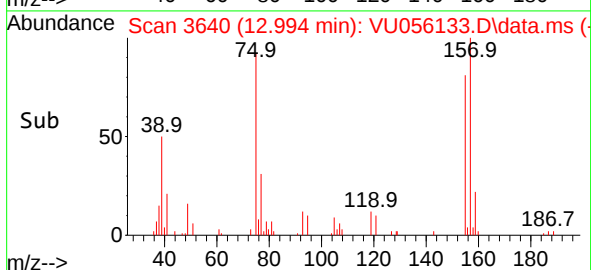
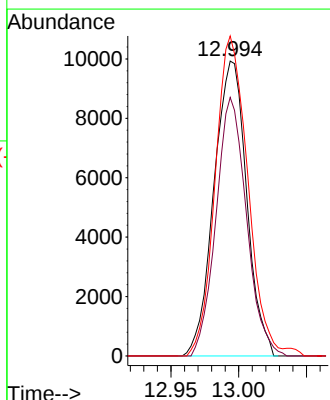
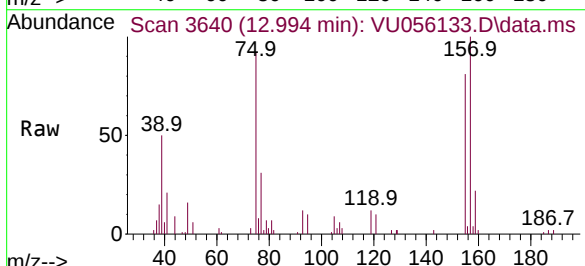
Tgt Ion: 75 Resp: 16622

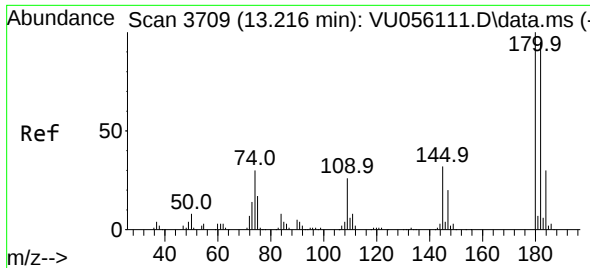
Ion Ratio Lower Upper

75 100

155 87.7 63.3 94.9

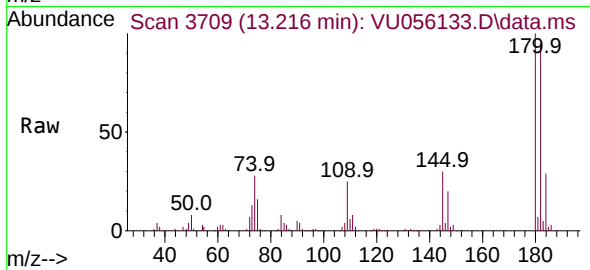
157 108.5 79.1 118.7



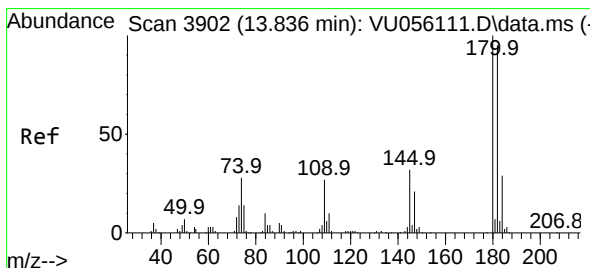
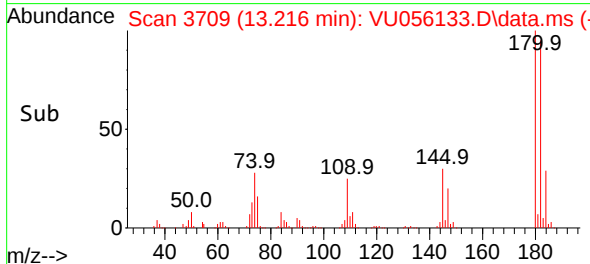
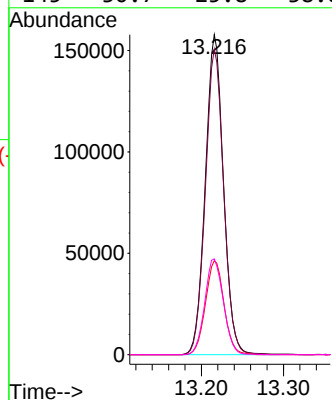


#69
 1,3,5-Trichlorobenzene
 Concen: 5.427 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

Instrument :
 MSVOA_U
 ClientSampleId :

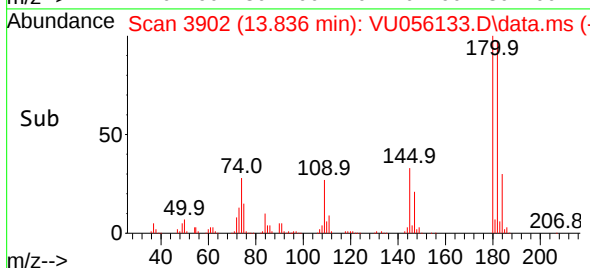
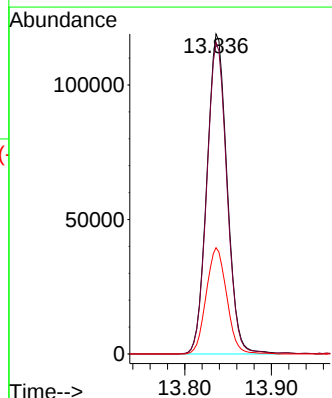
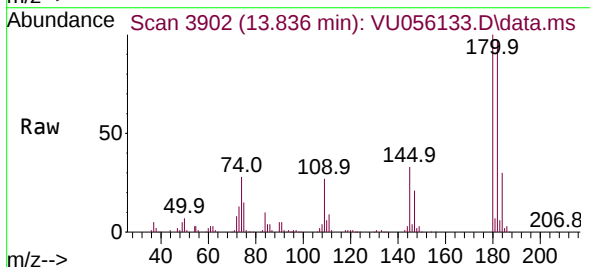


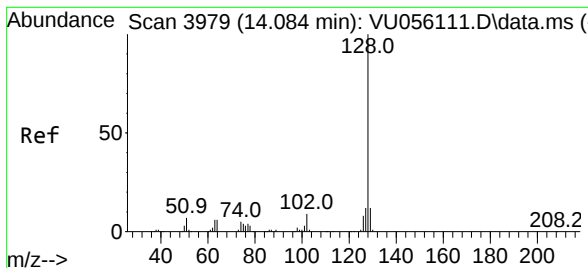
Tgt Ion:180 Resp: 242908
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.0 114.0
 184 30.0 24.0 36.0
 145 30.7 25.8 38.8



#70
 1,2,4-trichlorobenzene
 Concen: 5.441 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056133.D
 Acq: 09 Nov 2023 11:25

Tgt Ion:180 Resp: 193209
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.2
 145 33.6 25.9 38.9





#71

Naphthalene

Concen: 5.159 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Instrument :

MSVOA_U

ClientSampleId :

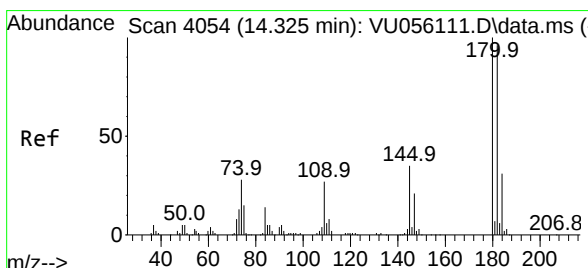
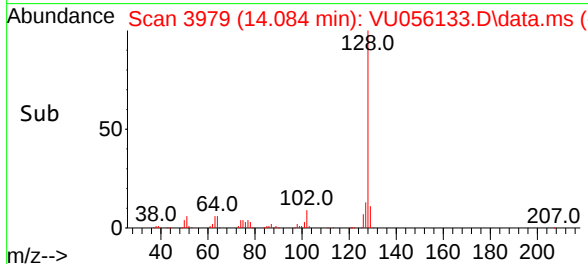
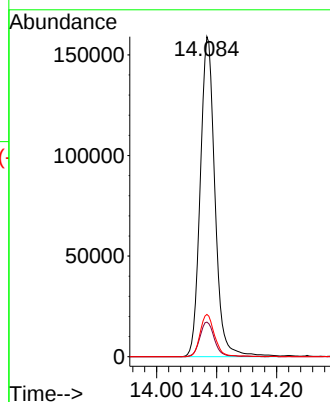
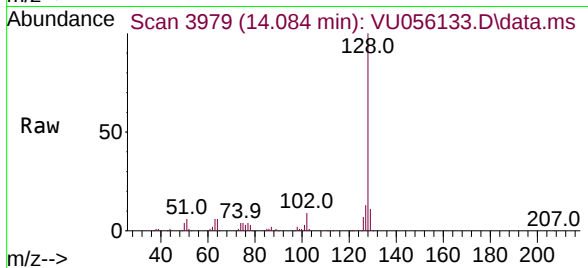
Tgt Ion:128 Resp: 271712

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

127 12.9 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 5.293 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056133.D

Acq: 09 Nov 2023 11:25

Tgt Ion:180 Resp: 164761

Ion Ratio Lower Upper

180 100

182 94.4 76.6 115.0

145 34.5 28.0 42.0

