

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121923\
 Data File : VU057032.D
 Acq On : 19 Dec 2023 09:47
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 04:52:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 19 02:36:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	237970	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	238293	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	117901	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	90053	4.415	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.200%
7) Chloroethane-d5	1.907	69	57356	3.758	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.200%
11) 1,1-Dichloroethene-d2	2.557	65	36744	4.210	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.627	46	158677	39.391	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.780%
24) Chloroform-d	5.055	84	168654	4.366	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.695	65	76729	4.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.721	84	312381	4.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.685	67	93194	4.028	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.894	98	288580	4.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.400%
43) trans-1,3-Dichloroprop...	8.177	79	37477	4.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.600%
46) 2-Hexanone-d5	8.640	63	144401	42.676	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.360%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	70700	4.224	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	97681	4.215	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	117421	4.709	ug/L	97
3) Chloromethane	1.515	50	125467	5.117	ug/L	98
5) Vinyl chloride	1.602	62	124269	5.104	ug/L	97
6) Bromomethane	1.853	94	56178	3.913	ug/L	98
8) Chloroethane	1.927	64	59159	4.148	ug/L	96
9) Trichlorofluoromethane	2.126	101	181436	5.287	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	105416	5.009	ug/L	97
12) 1,1-Dichloroethene	2.570	96	92775	4.802	ug/L	98
13) Acetone	2.634	43	116379	47.407	ug/L	100
14) Carbon disulfide	2.785	76	274308	4.092	ug/L	99
15) Methyl Acetate	2.949	43	30369	4.544	ug/L	98
16) Methylene chloride	3.039	84	102380	4.864	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	206834	4.828	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	94079	4.803	ug/L	97
19) 1,1-Dichloroethane	3.859	63	186788	4.957	ug/L	98
21) 2-Butanone	4.705	43	191918	46.358	ug/L	98
22) cis-1,2-Dichloroethene	4.656	96	104236	4.891	ug/L	95
23) Bromochloromethane	4.965	128	43326	4.856	ug/L	96
25) Chloroform	5.081	83	195114	4.943	ug/L	99

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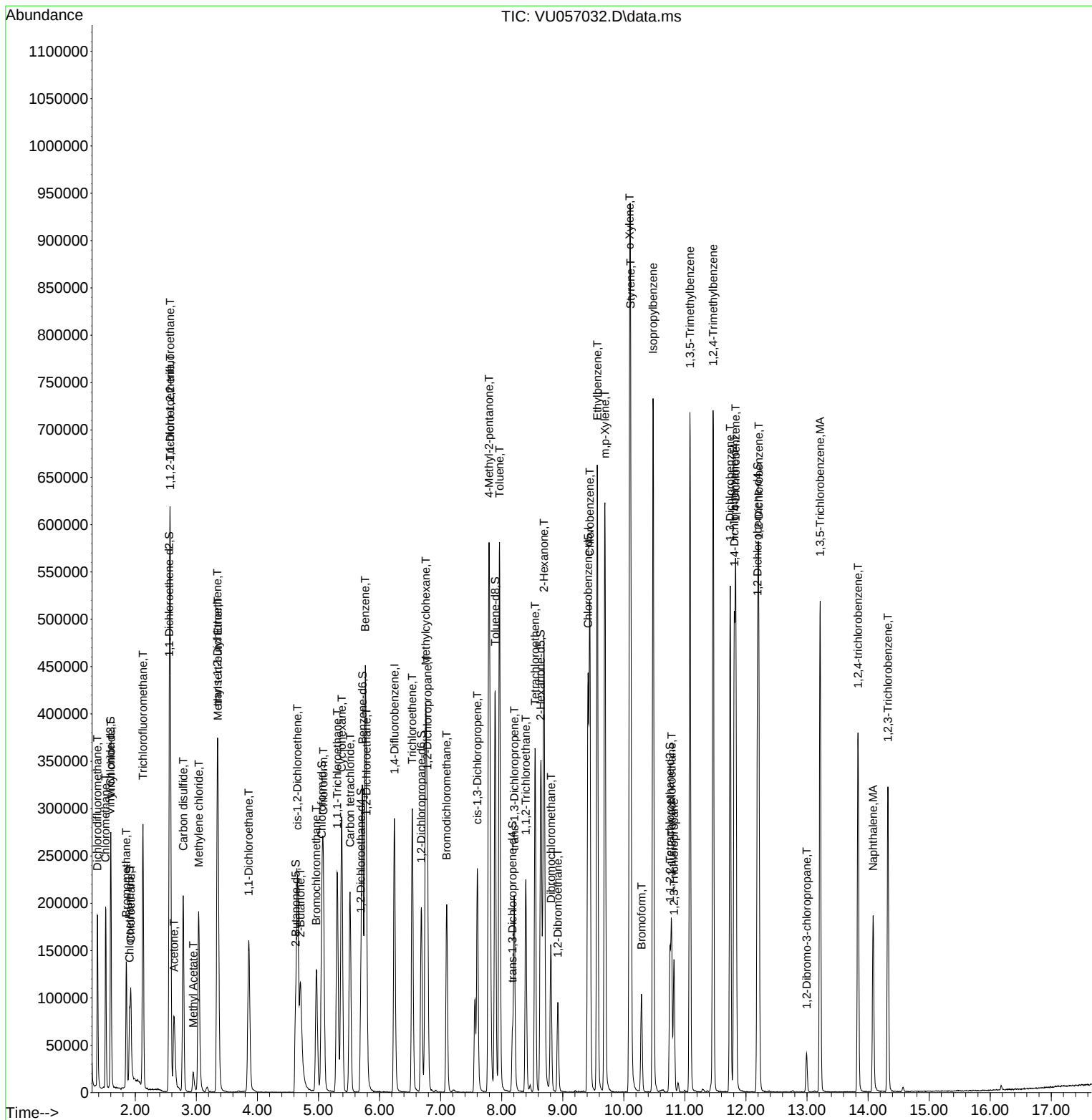
Instrument :
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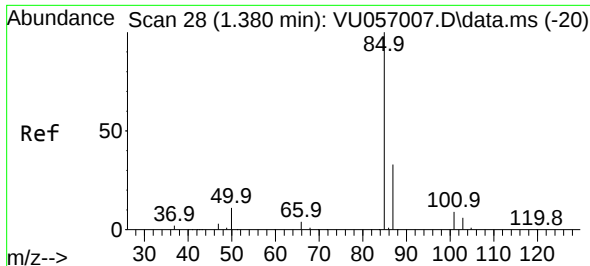
Quant Time: Dec 20 04:52:12 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	113602	4.866	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	175563	5.097	ug/L	98
30) Cyclohexane	5.380	56	143808	4.448	ug/L	98
31) Carbon tetrachloride	5.518	117	148754	4.969	ug/L	99
33) Benzene	5.766	78	400353	4.781	ug/L	100
34) Trichloroethene	6.537	95	108250	4.712	ug/L	99
35) Methylcyclohexane	6.756	83	154785	4.566	ug/L	97
37) 1,2-Dichloropropane	6.785	63	100491	4.691	ug/L	99
38) Bromodichloromethane	7.100	83	132436	4.848	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	147526	4.725	ug/L	98
40) 4-Methyl-2-pentanone	7.795	43	496465	48.805	ug/L	98
42) Toluene	7.965	91	428310	4.943	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	122648	4.793	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	72203	4.985	ug/L	96
47) Tetrachloroethene	8.550	164	76381	4.751	ug/L	98
48) 2-Hexanone	8.692	43	374042	51.627	ug/L	100
49) Dibromochloromethane	8.807	129	83123	4.993	ug/L	100
50) 1,2-Dibromoethane	8.920	107	65698	4.888	ug/L	99
51) Chlorobenzene	9.444	112	273005	4.943	ug/L	98
52) Ethylbenzene	9.566	91	473347	4.952	ug/L	99
53) m,p-Xylene	9.692	106	180371	5.065	ug/L	98
54) o-Xylene	10.097	106	173310	5.108	ug/L	99
55) Styrene	10.113	104	299539	5.377	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.782	83	87945	5.026	ug/L #	98
59) Bromoform	10.290	173	48011	4.987	ug/L	99
60) Isopropylbenzene	10.479	105	476557	5.116	ug/L	99
61) 1,2,3-Trichloropropane	10.823	75	60529	4.781	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	389622	5.118	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	397282	5.254	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	213580	4.847	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	209227	4.822	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	191910	4.781	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	12439	4.922	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	150554	4.522	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	113340	4.299	ug/L	99
71) Naphthalene	14.084	128	155471	4.029	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	94314	4.213	ug/L	98

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

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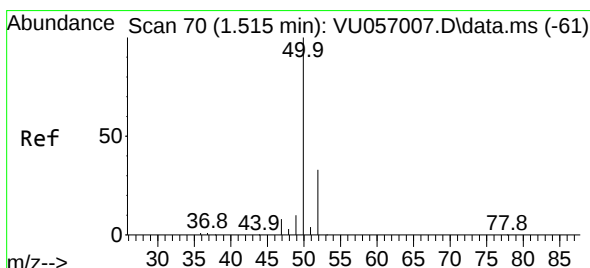
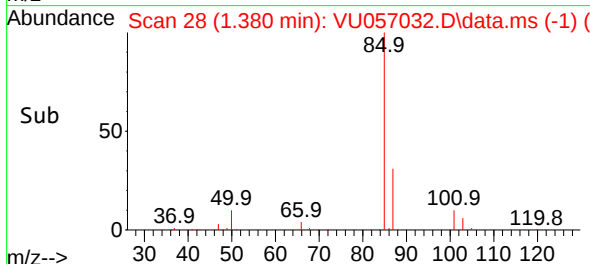
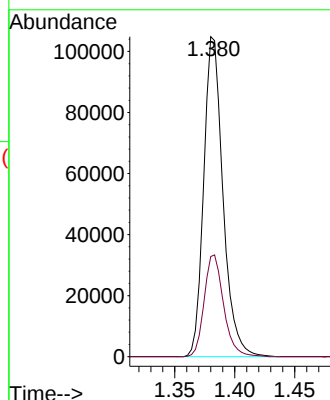
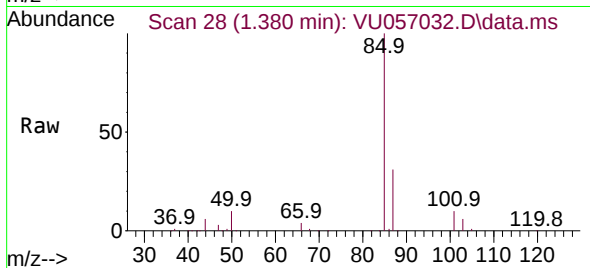




#2
 Dichlorodifluoromethane
 Concen: 4.709 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

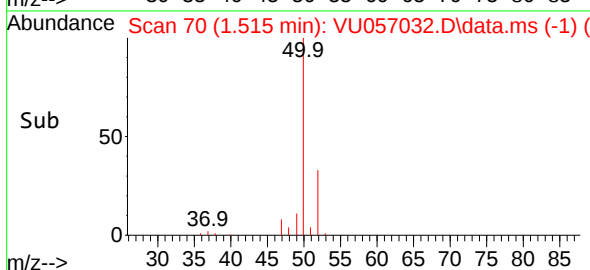
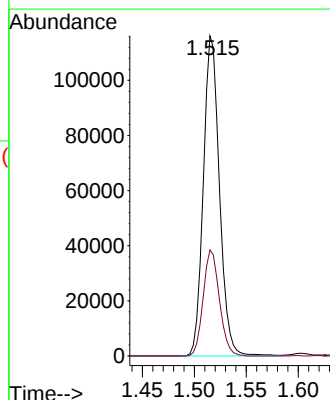
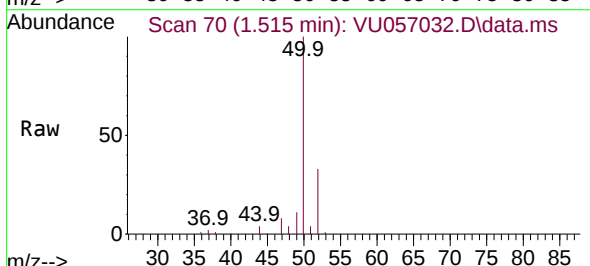
Instrument :
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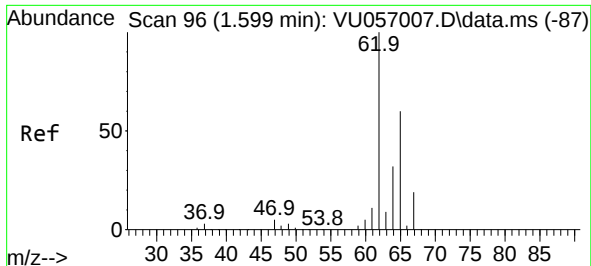
Tgt Ion: 85 Resp: 117421
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.8 40.2



#3
 Chloromethane
 Concen: 5.117 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

Tgt Ion: 50 Resp: 125467
 Ion Ratio Lower Upper
 50 100
 52 33.2 22.5 41.7

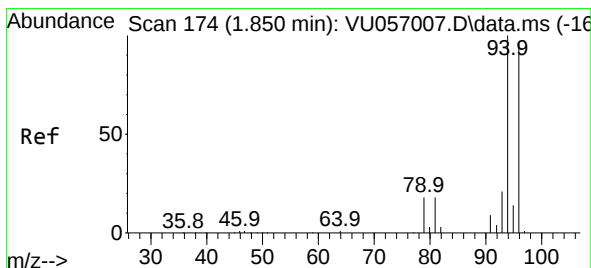
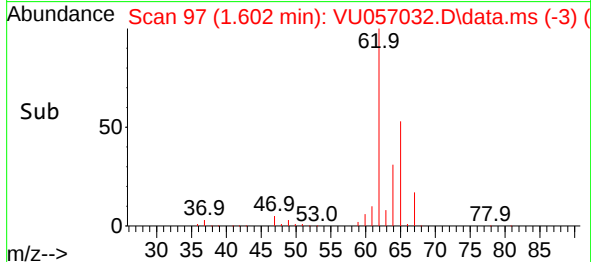
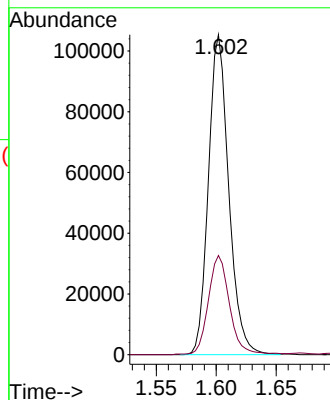
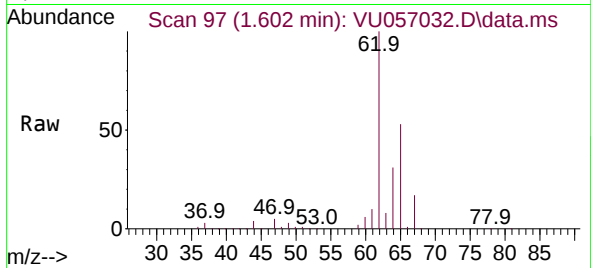




#5
 Vinyl chloride
 Concen: 5.104 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

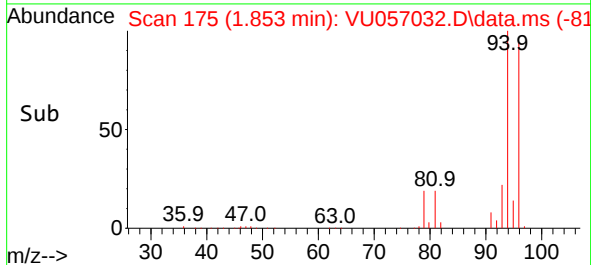
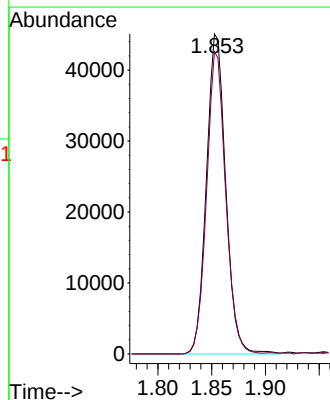
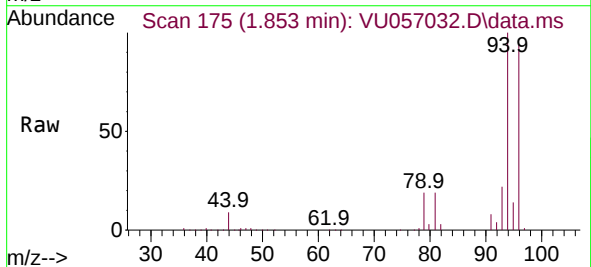
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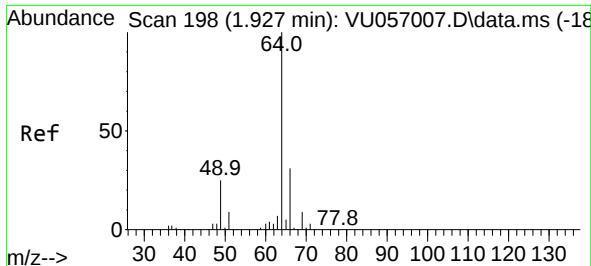
Tgt Ion: 62 Resp: 124269
 Ion Ratio Lower Upper
 62 100
 64 31.0 22.8 42.4



#6
 Bromomethane
 Concen: 3.913 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. 0.003 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

Tgt Ion: 94 Resp: 56178
 Ion Ratio Lower Upper
 94 100
 96 94.5 67.8 125.8

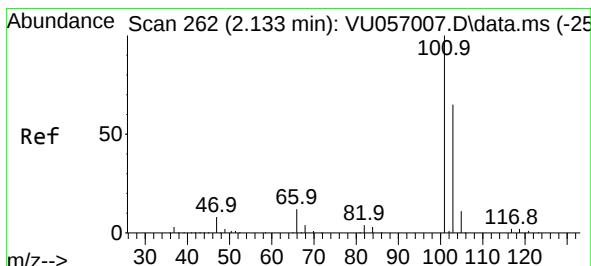
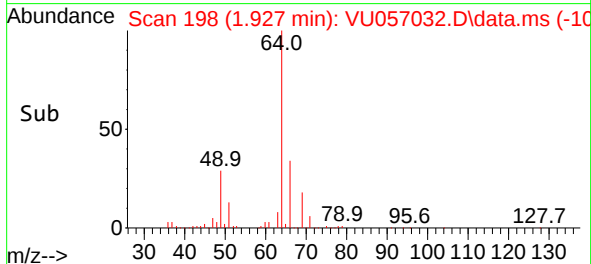
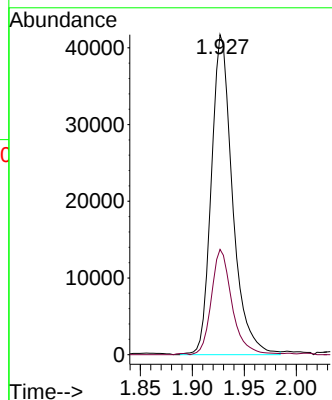
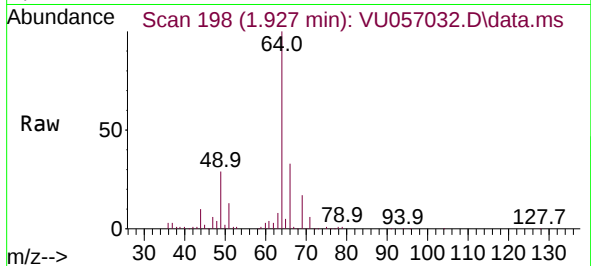




#8
Chloroethane
Concen: 4.148 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

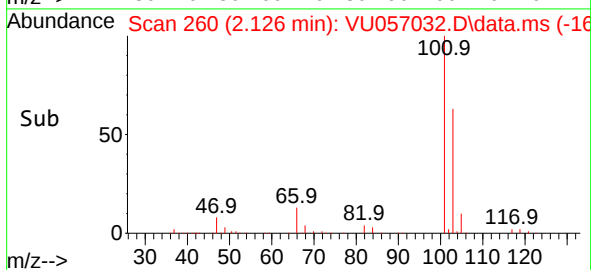
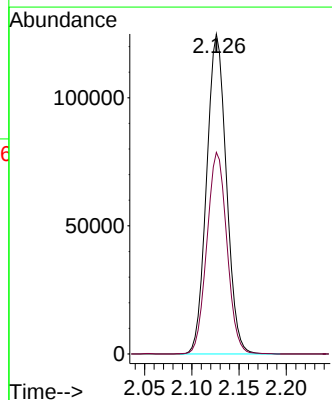
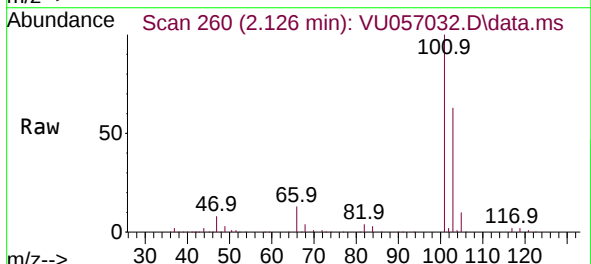
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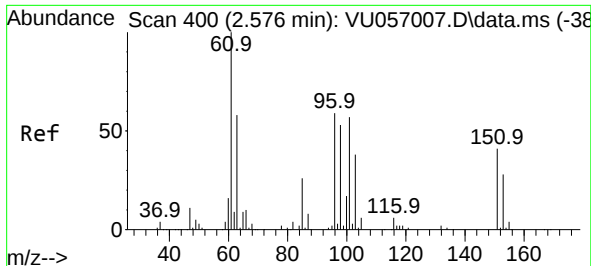
Tgt Ion: 64 Resp: 59159
Ion Ratio Lower Upper
64 100
66 32.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 5.287 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.007 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion:101 Resp: 181436
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

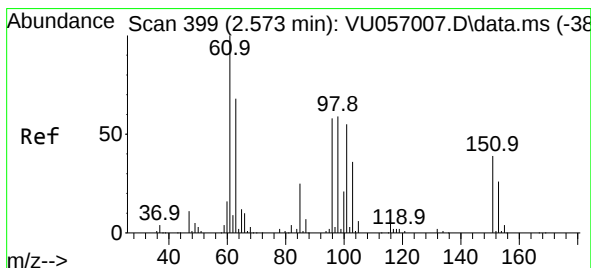
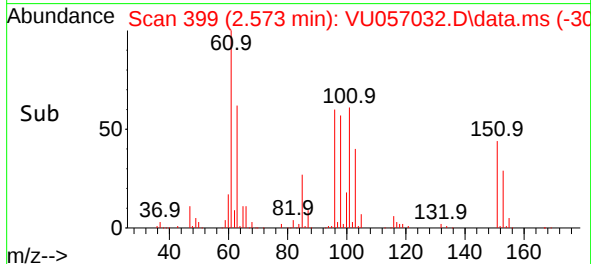
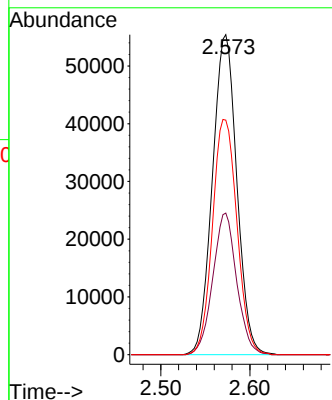
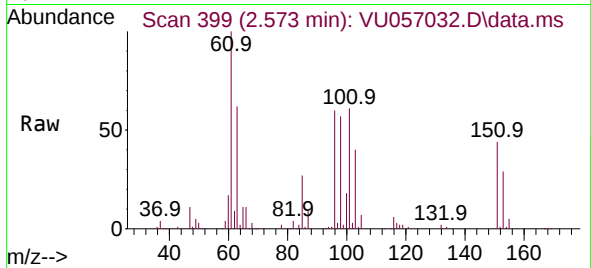




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.009 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

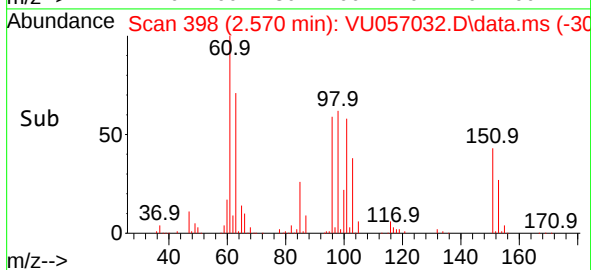
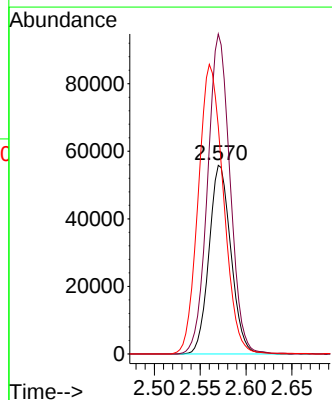
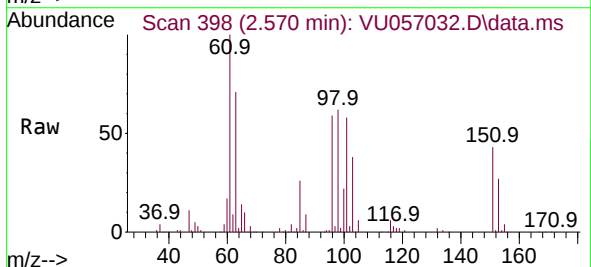
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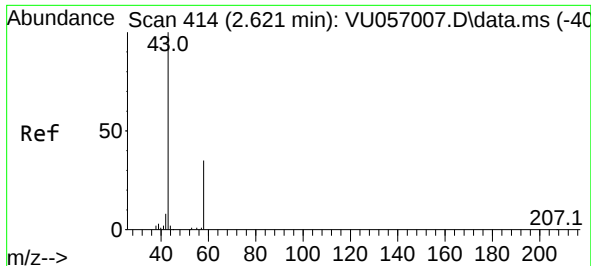
Tgt Ion:101 Resp: 105416
Ion Ratio Lower Upper
101 100
85 43.3 35.2 52.8
151 73.8 56.0 84.0



#12
1,1-Dichloroethene
Concen: 4.802 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 96 Resp: 92775
Ion Ratio Lower Upper
96 100
61 169.6 119.0 221.0
63 120.6 88.7 164.7





#13

Acetone

Concen: 47.407 ug/L

RT: 2.634 min Scan# 41

Delta R.T. 0.013 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

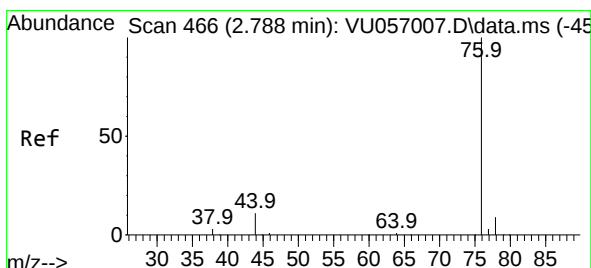
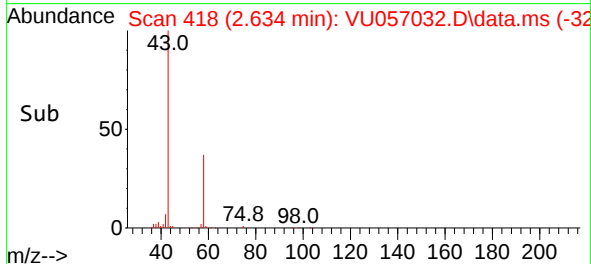
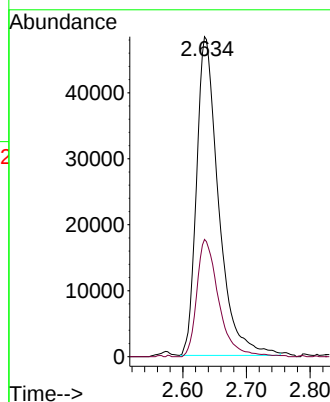
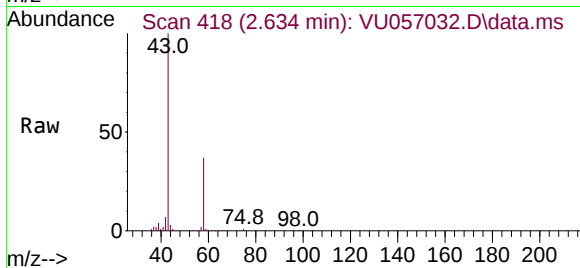
ClientSampleId :

Tgt Ion: 43 Resp: 116379

Ion Ratio Lower Upper

43 100

58 36.4 0.0 72.6



#14

Carbon disulfide

Concen: 4.092 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057032.D

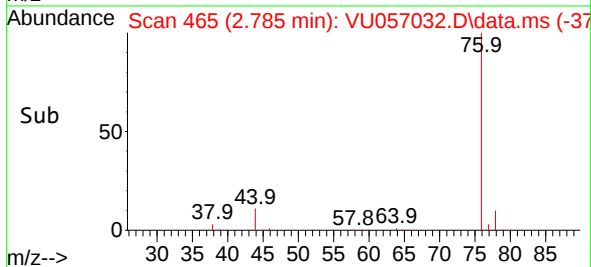
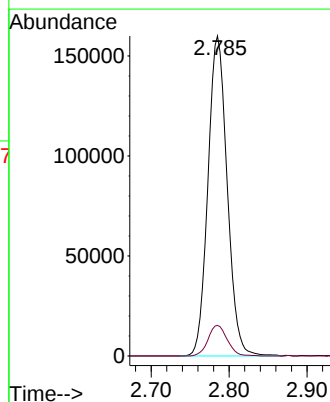
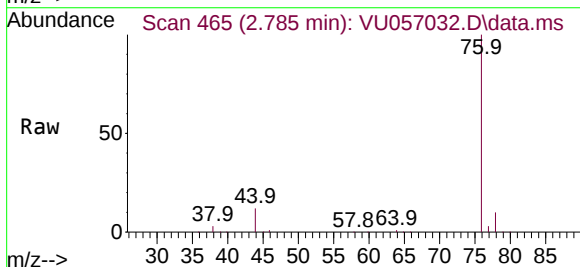
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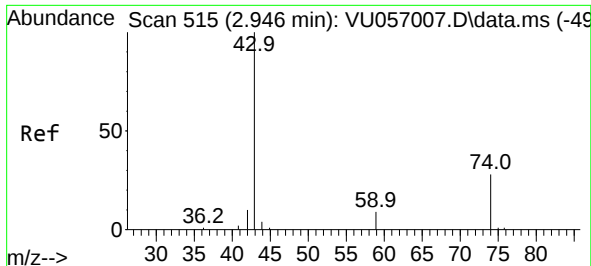
Tgt Ion: 76 Resp: 274308

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

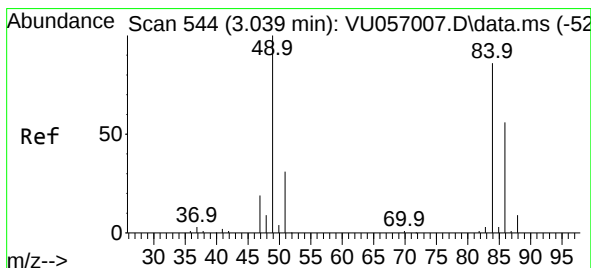
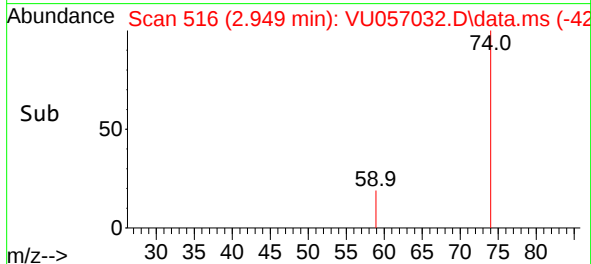
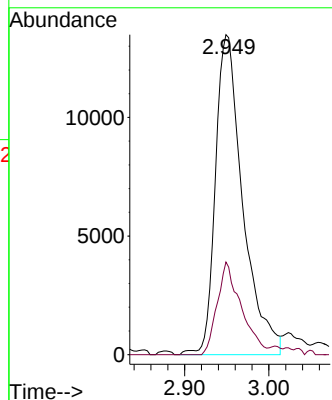
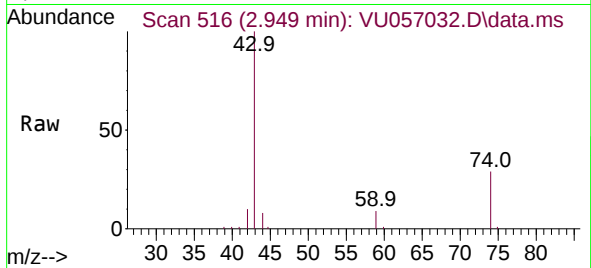




#15
Methyl Acetate
Concen: 4.544 ug/L
RT: 2.949 min Scan# 515
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

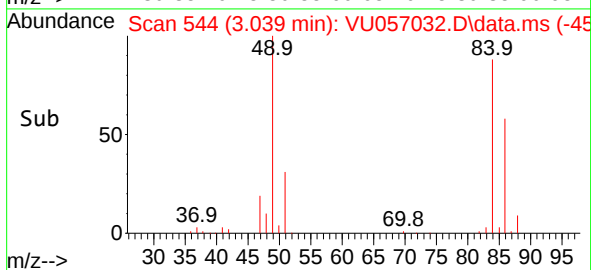
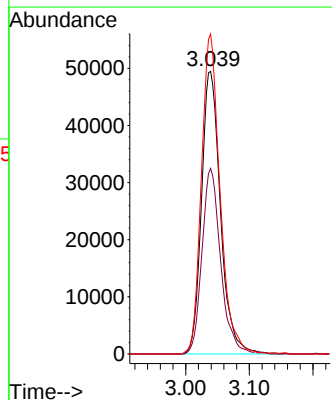
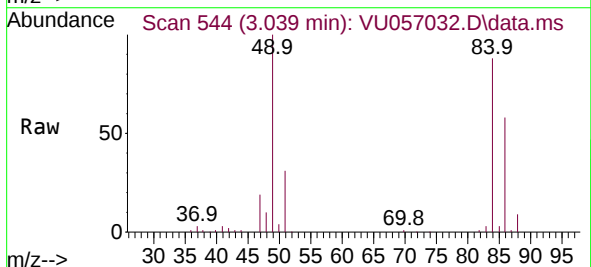
Instrument :
MSVOA_U
ClientSampleId :

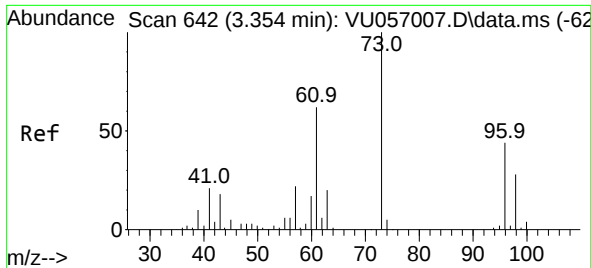
Tgt Ion: 43 Resp: 30369
Ion Ratio Lower Upper
43 100
74 25.4 21.0 31.6



#16
Methylene chloride
Concen: 4.864 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 84 Resp: 102380
Ion Ratio Lower Upper
84 100
86 65.6 43.6 81.0
49 113.2 80.6 149.6

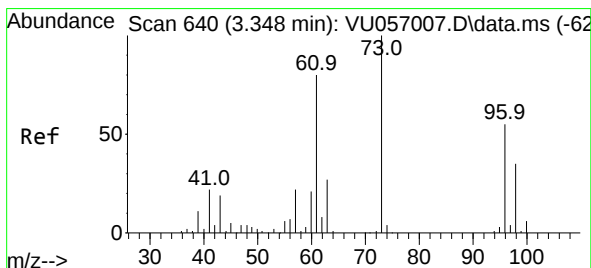
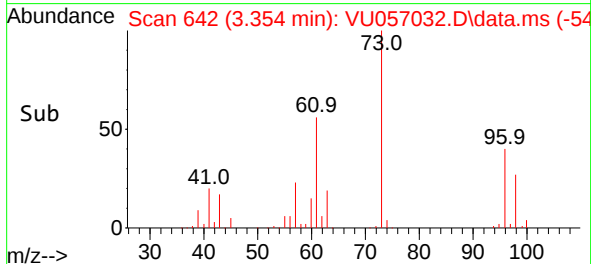
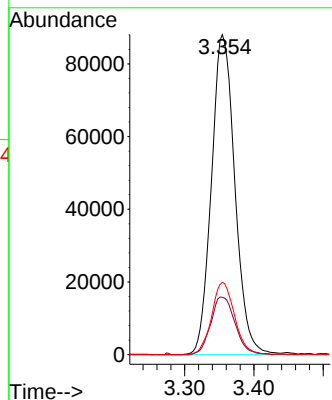
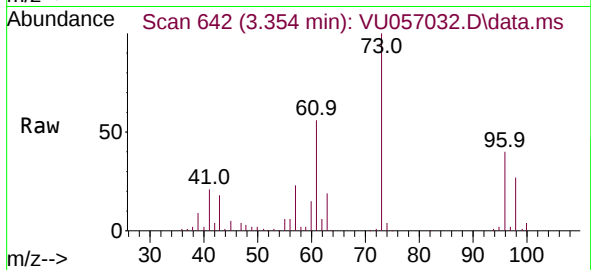




#17
Methyl tert-butyl Ether
Concen: 4.828 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

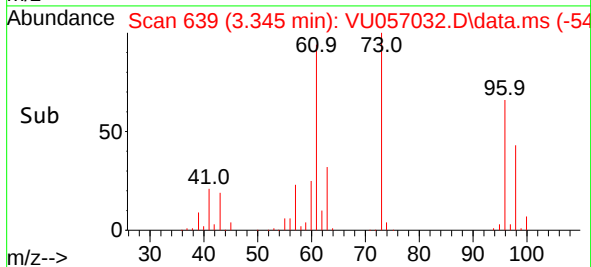
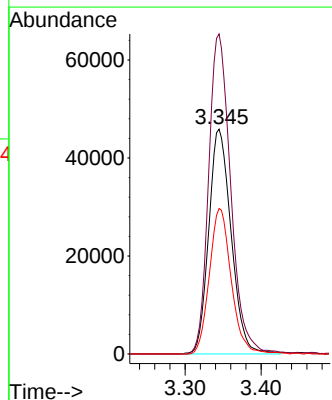
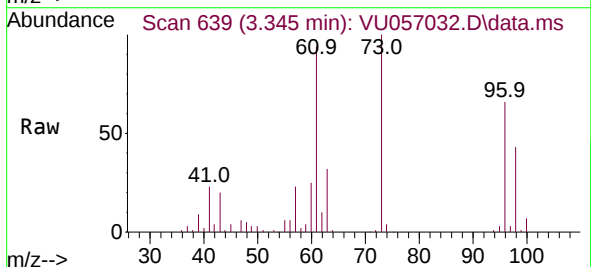
Instrument :
MSVOA_U
ClientSampleId :

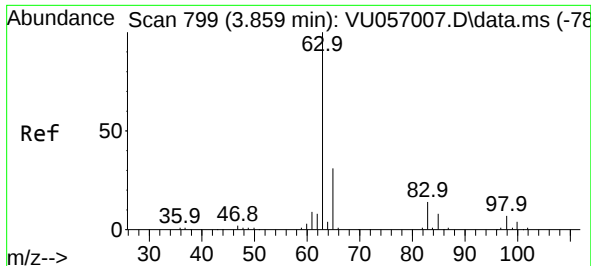
Tgt Ion: 73 Resp: 206834
Ion Ratio Lower Upper
73 100
43 18.7 14.4 21.6
57 22.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.803 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 96 Resp: 94079
Ion Ratio Lower Upper
96 100
61 142.3 101.8 189.0
98 64.7 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.957 ug/L

RT: 3.859 min Scan# 799

Delta R.T. -0.000 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

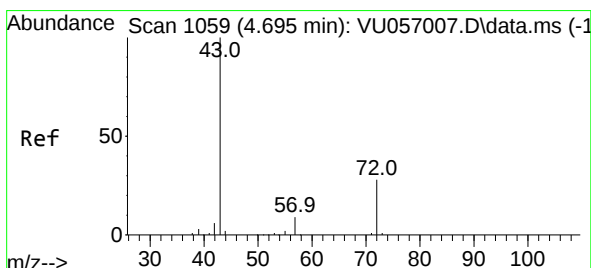
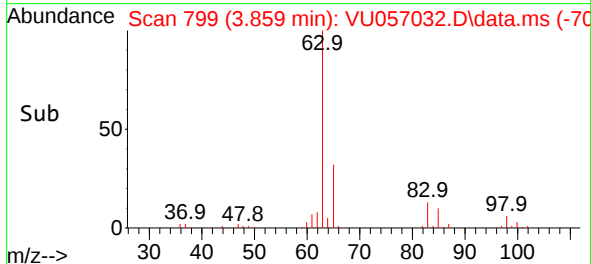
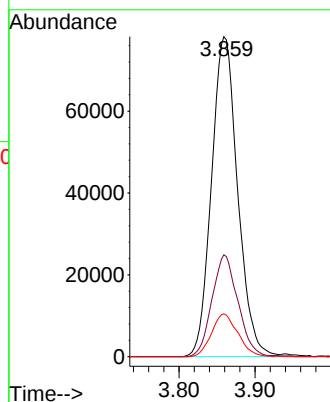
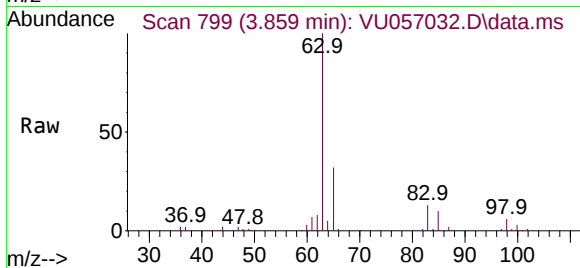
Tgt Ion: 63 Resp: 186788

Ion Ratio Lower Upper

63 100

65 31.8 22.9 42.5

83 13.4 10.1 18.9



#21

2-Butanone

Concen: 46.358 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. 0.009 min

Lab File: VU057032.D

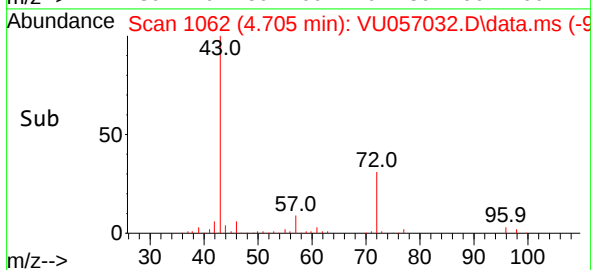
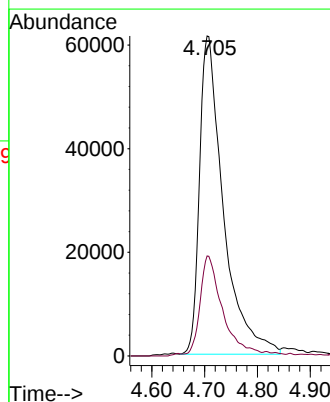
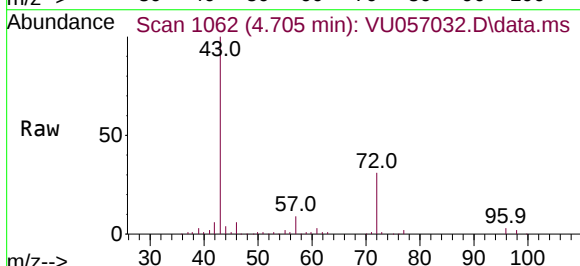
Acq: 19 Dec 2023 09:47

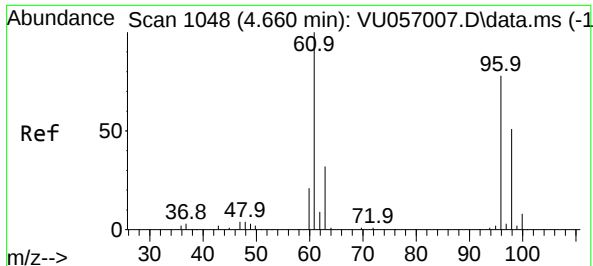
Tgt Ion: 43 Resp: 191918

Ion Ratio Lower Upper

43 100

72 27.9 14.6 43.8





#22

cis-1,2-Dichloroethene

Concen: 4.891 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

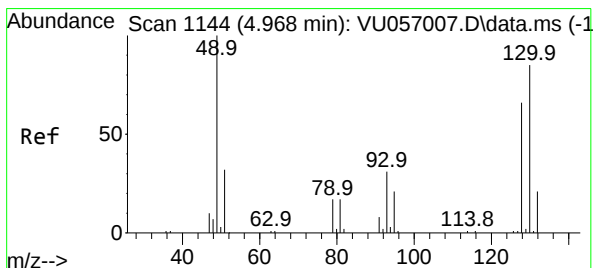
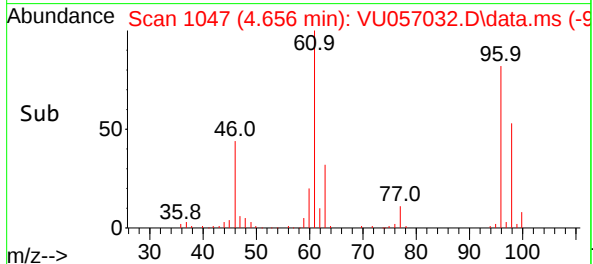
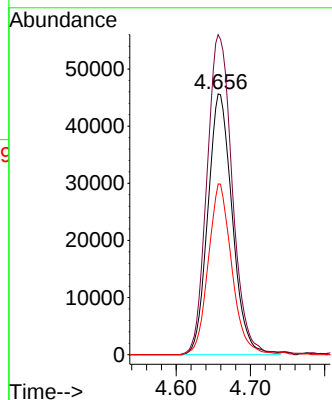
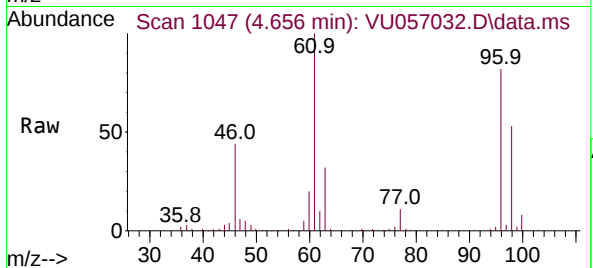
Tgt Ion: 96 Resp: 104236

Ion Ratio Lower Upper

96 100

61 122.7 91.3 169.6

98 65.4 44.2 82.0



#23

Bromochloromethane

Concen: 4.856 ug/L

RT: 4.965 min Scan# 1143

Delta R.T. -0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Tgt Ion:128 Resp: 43326

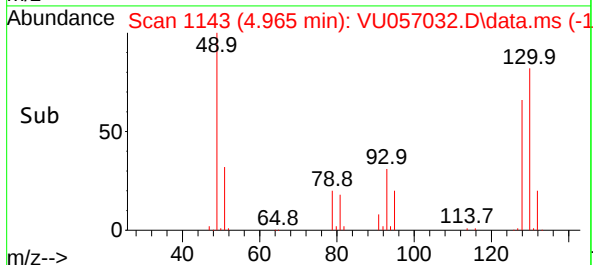
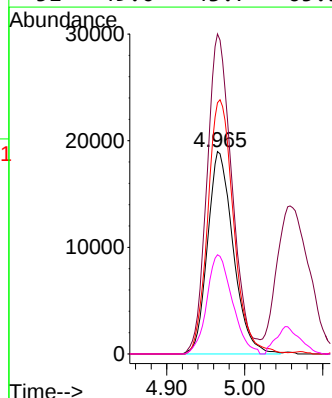
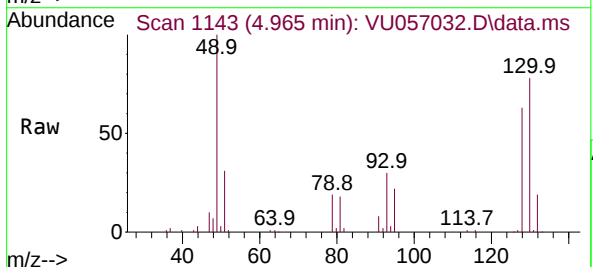
Ion Ratio Lower Upper

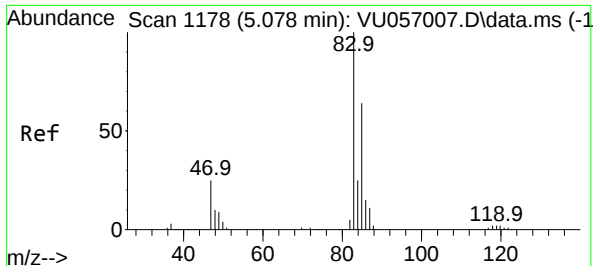
128 100

49 158.1 113.8 211.3

130 124.1 90.6 168.3

51 49.0 43.7 65.5





#25

Chloroform

Concen: 4.943 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

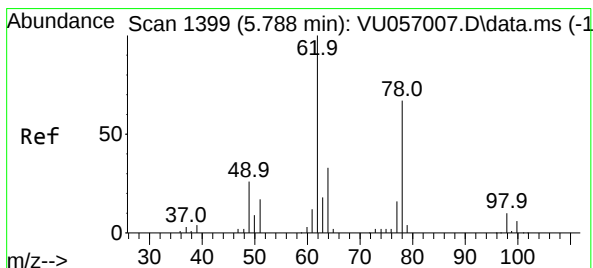
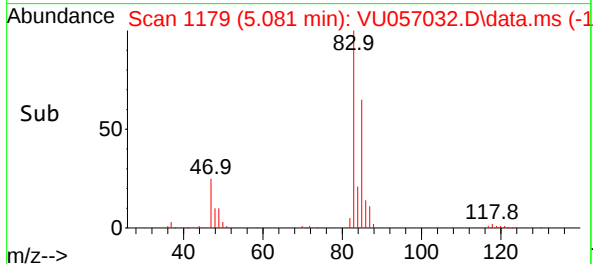
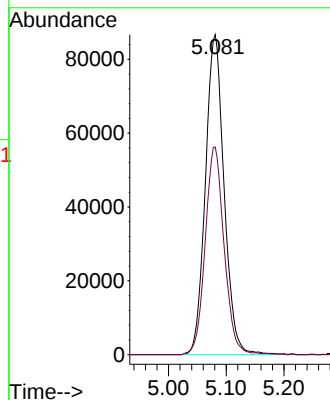
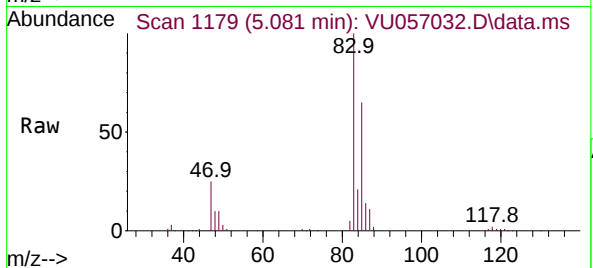
ClientSampleId :

Tgt Ion: 83 Resp: 195114

Ion Ratio Lower Upper

83 100

85 64.9 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.866 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU057032.D

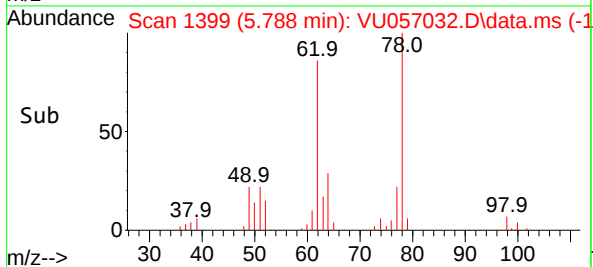
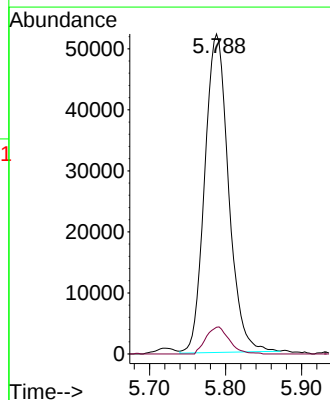
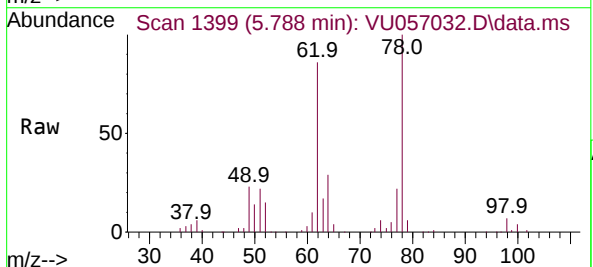
Acq: 19 Dec 2023 09:47

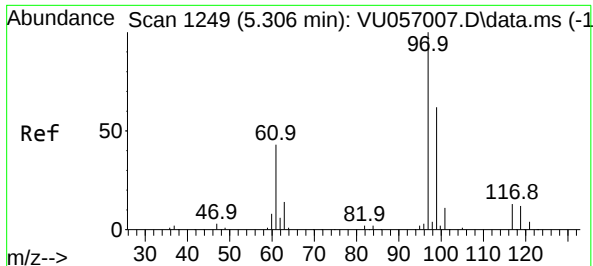
Tgt Ion: 62 Resp: 113602

Ion Ratio Lower Upper

62 100

98 8.4 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.097 ug/L

RT: 5.309 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

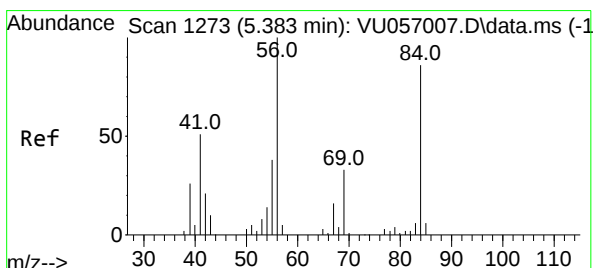
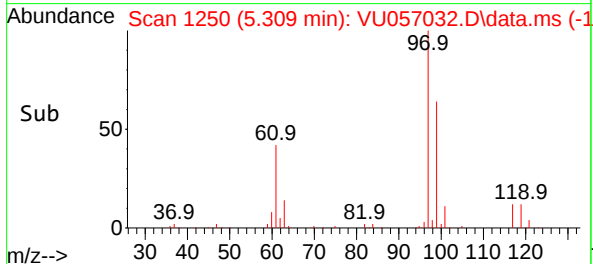
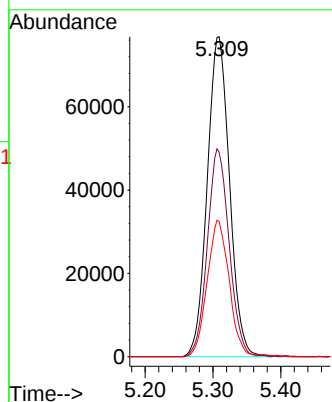
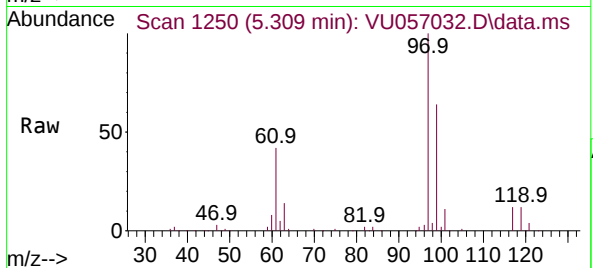
Tgt Ion: 97 Resp: 175563

Ion Ratio Lower Upper

97 100

99 63.4 52.5 78.7

61 42.0 34.2 51.2



#30

Cyclohexane

Concen: 4.448 ug/L

RT: 5.380 min Scan# 1272

Delta R.T. -0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

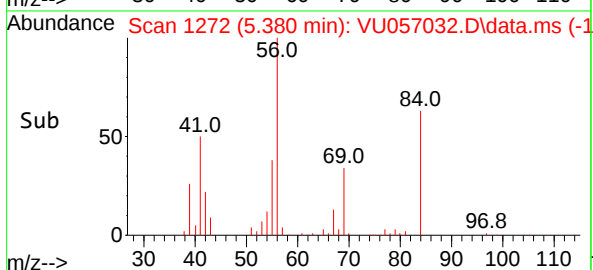
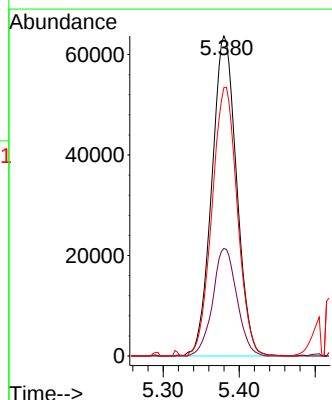
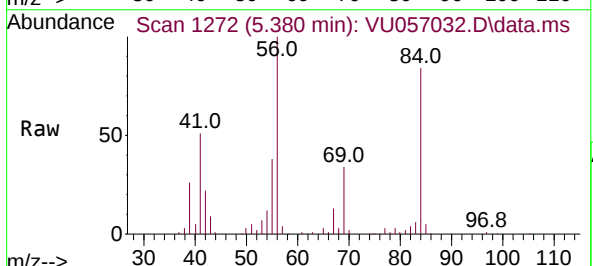
Tgt Ion: 56 Resp: 143808

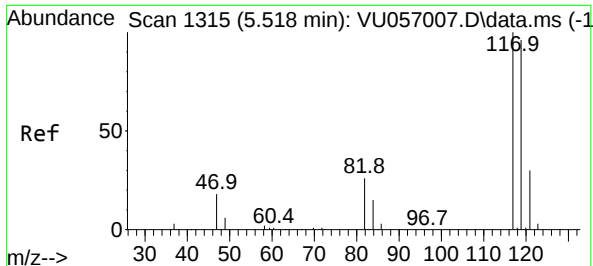
Ion Ratio Lower Upper

56 100

69 32.9 24.9 37.3

84 85.9 67.6 101.4

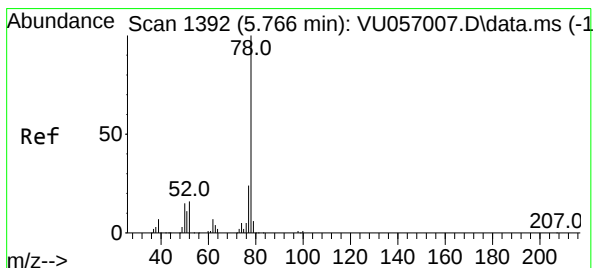
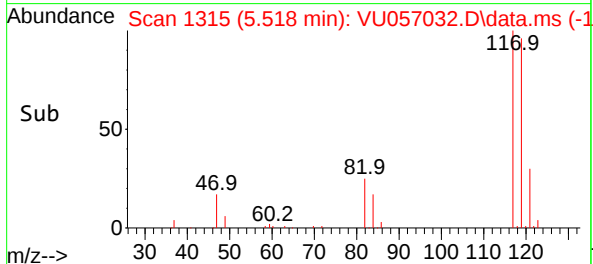
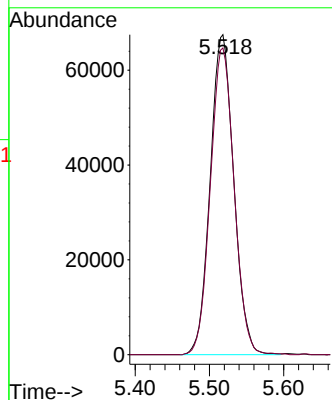
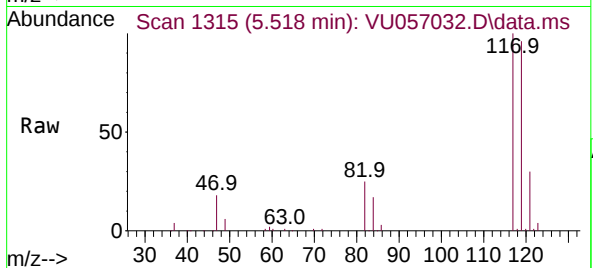




#31
Carbon tetrachloride
Concen: 4.969 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

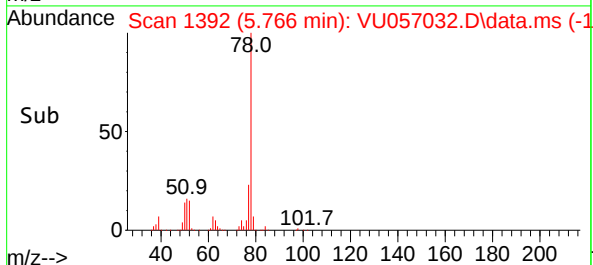
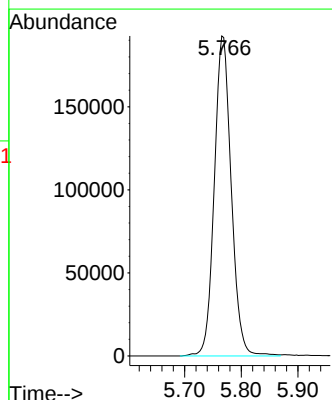
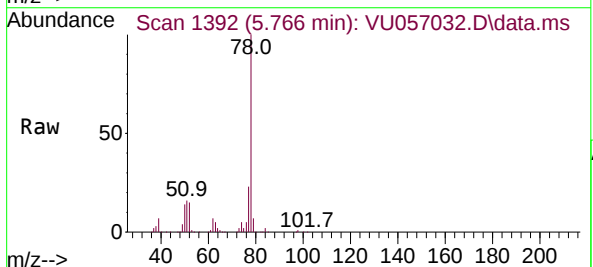
Instrument :
MSVOA_U
ClientSampleId :

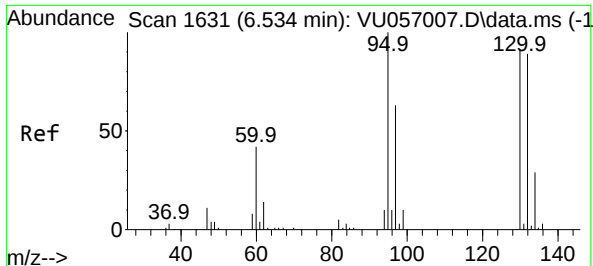
Tgt Ion:117 Resp: 148754
Ion Ratio Lower Upper
117 100
119 96.7 76.2 114.4



#33
Benzene
Concen: 4.781 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 78 Resp: 400353

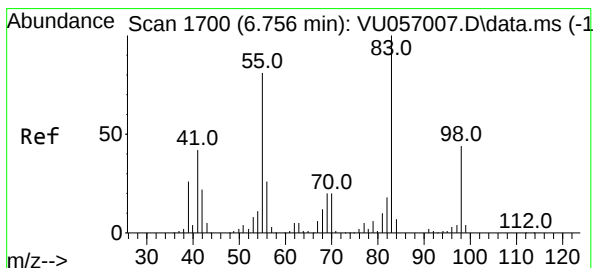
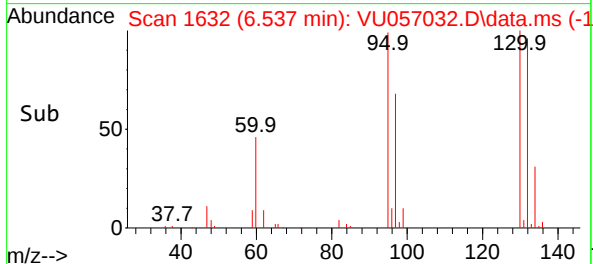
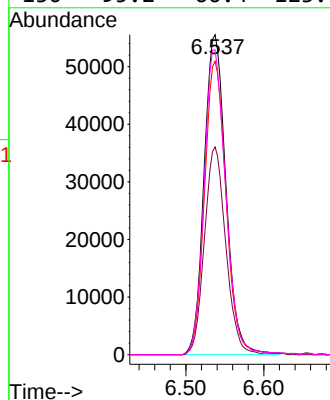
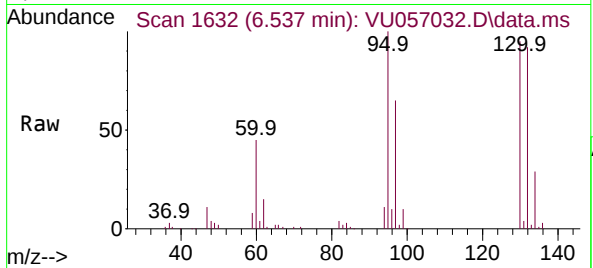




#34
Trichloroethene
Concen: 4.712 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

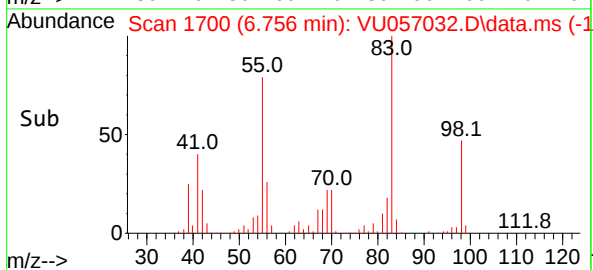
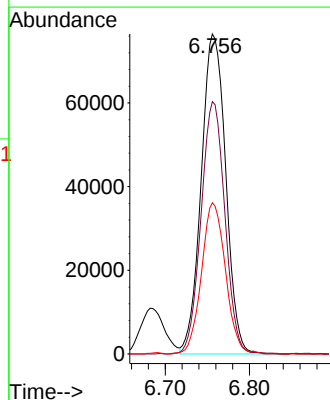
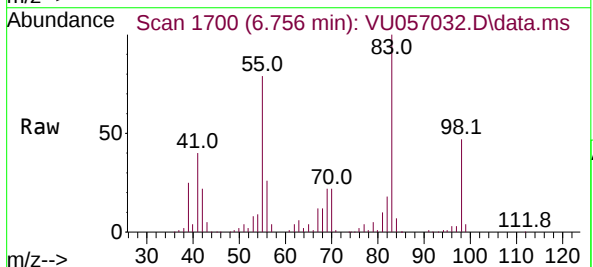
Instrument :
MSVOA_U
ClientSampleId :

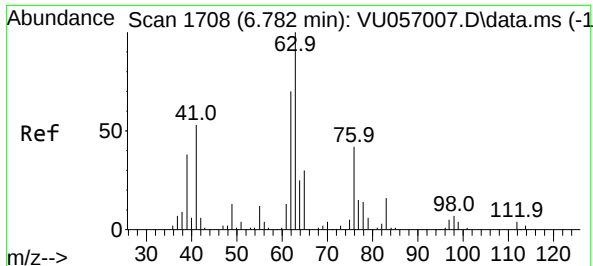
Tgt Ion: 95 Resp: 108250
Ion Ratio Lower Upper
95 100
97 64.9 46.1 85.5
132 91.7 63.6 118.0
130 95.2 66.4 123.4



#35
Methylcyclohexane
Concen: 4.566 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 83 Resp: 154785
Ion Ratio Lower Upper
83 100
55 76.7 64.6 97.0
98 46.0 36.1 54.1





#37

1,2-Dichloropropane

Concen: 4.691 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

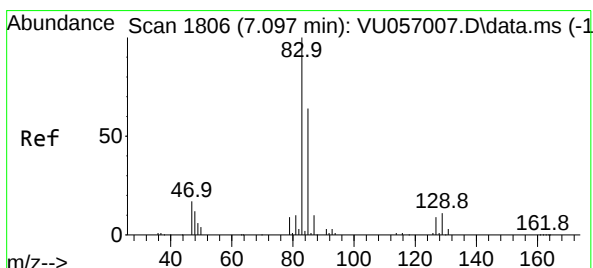
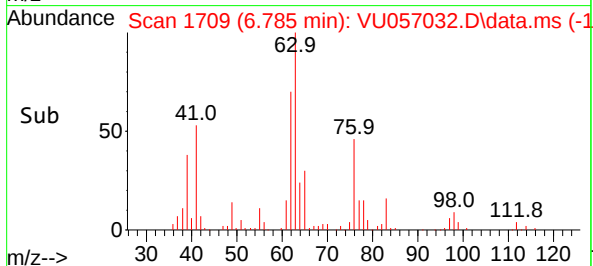
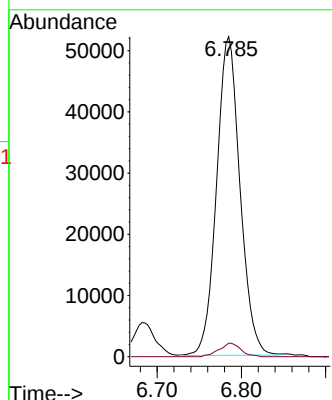
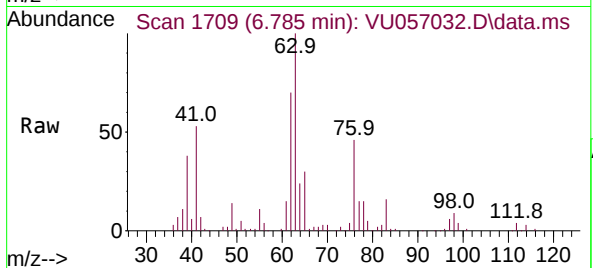
ClientSampleId :

Tgt Ion: 63 Resp: 100491

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 4.848 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

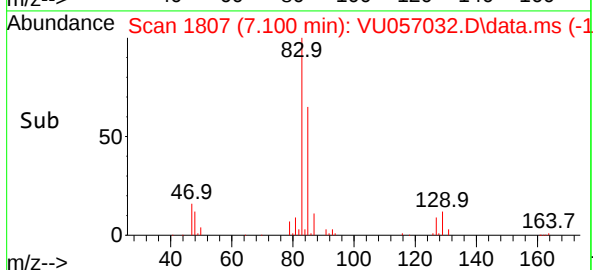
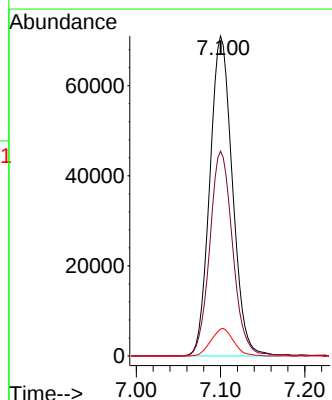
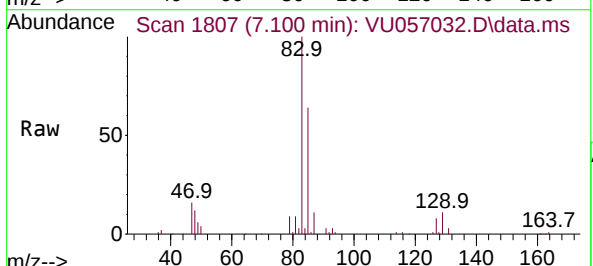
Tgt Ion: 83 Resp: 132436

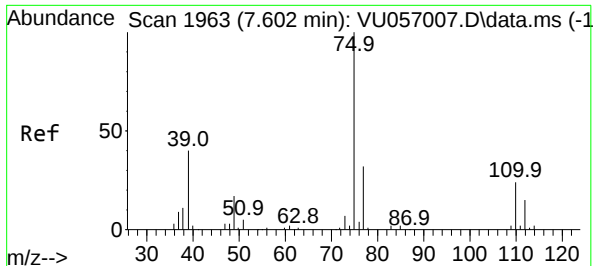
Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

127 8.4 7.0 10.4

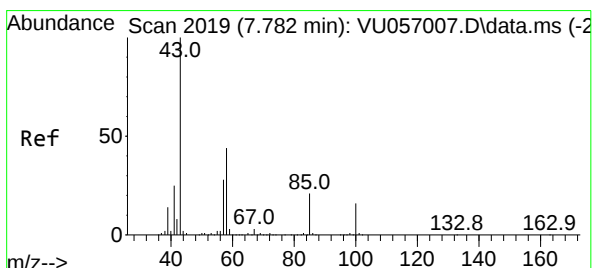
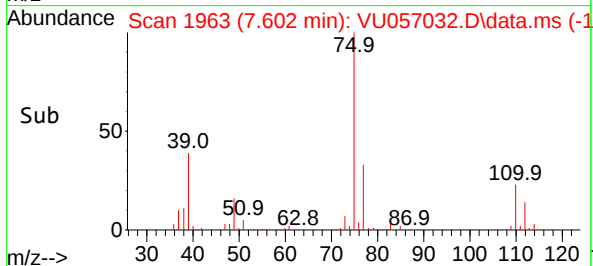
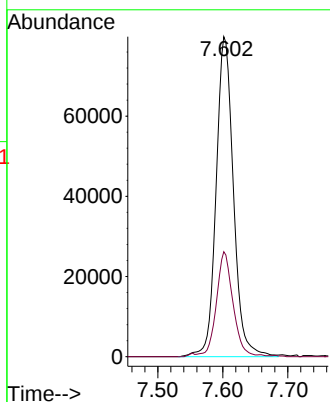
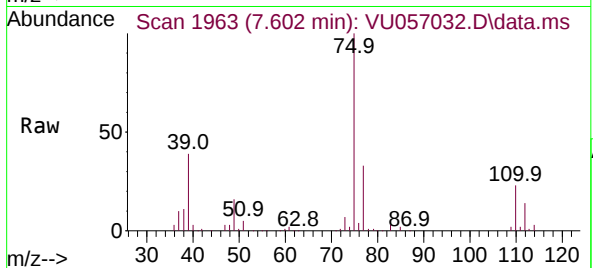




#39
 cis-1,3-Dichloropropene
 Concen: 4.725 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

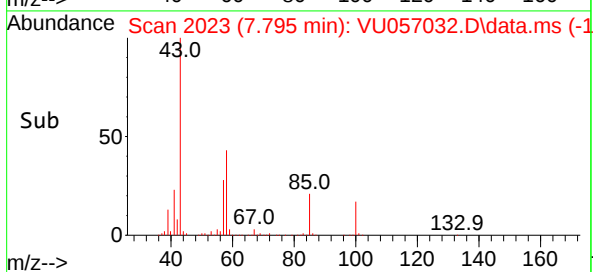
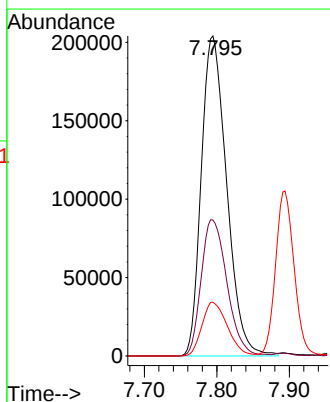
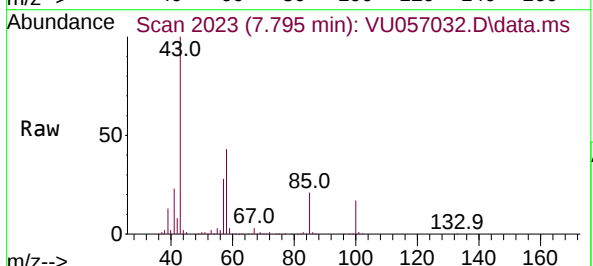
Instrument :
 MSVOA_U
 ClientSampleId :

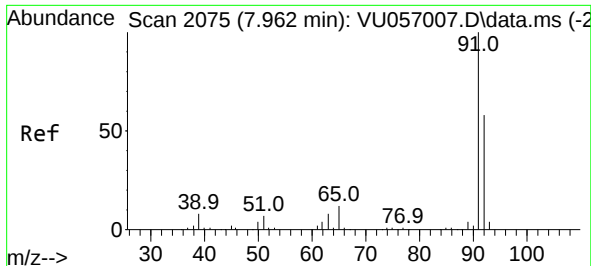
Tgt Ion: 75 Resp: 147526
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 48.805 ug/L
 RT: 7.795 min Scan# 2023
 Delta R.T. 0.013 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

Tgt Ion: 43 Resp: 496465
 Ion Ratio Lower Upper
 43 100
 58 43.3 33.7 50.5
 100 16.8 13.0 19.4





#42

Toluene

Concen: 4.943 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

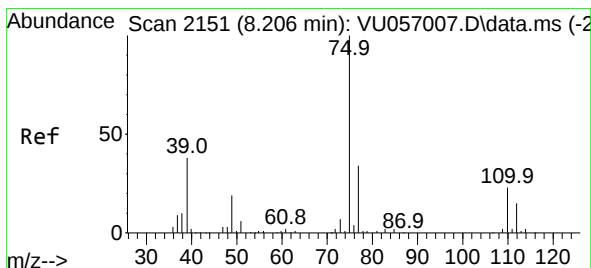
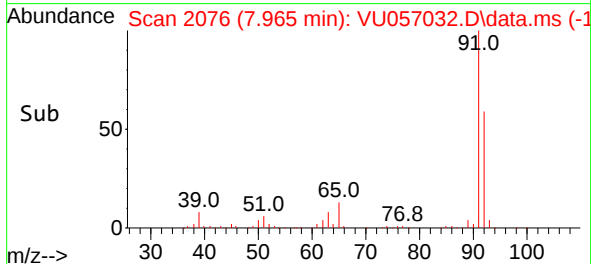
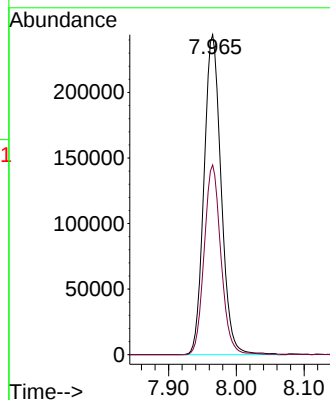
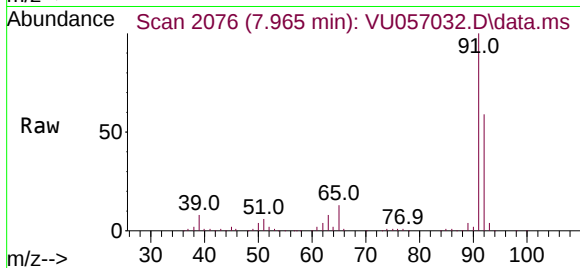
ClientSampleId :

Tgt Ion: 91 Resp: 428310

Ion Ratio Lower Upper

91 100

92 59.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.793 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU057032.D

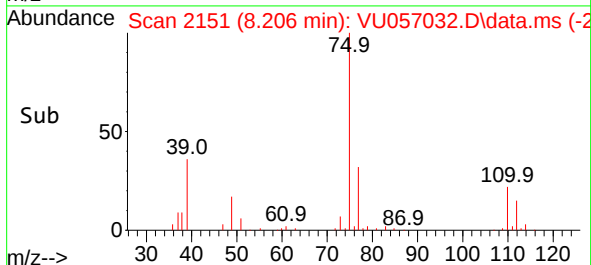
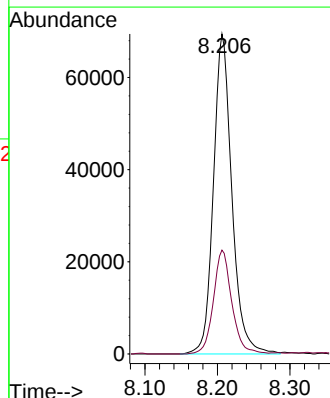
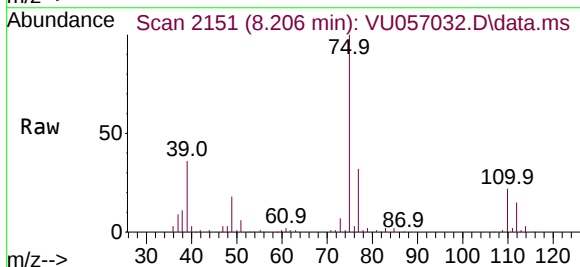
Acq: 19 Dec 2023 09:47

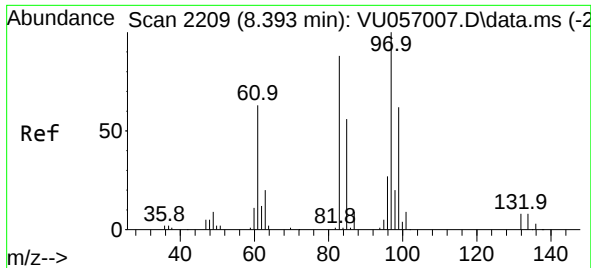
Tgt Ion: 75 Resp: 122648

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.4

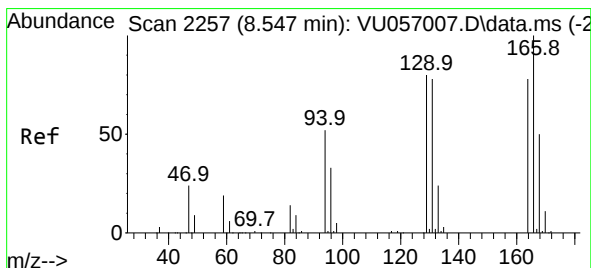
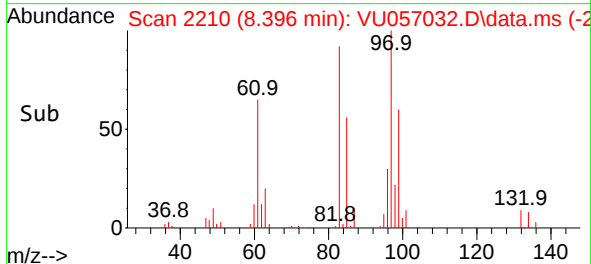
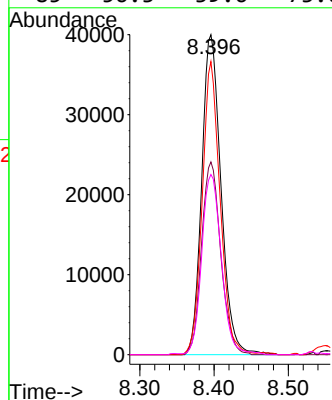
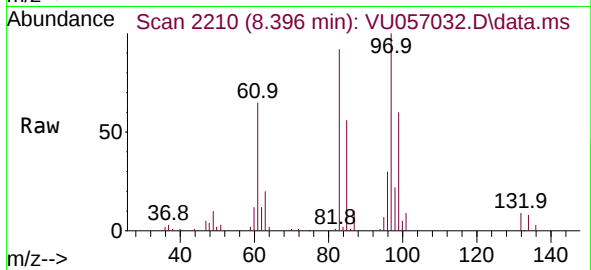




#45
1,1,2-Trichloroethane
Concen: 4.985 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

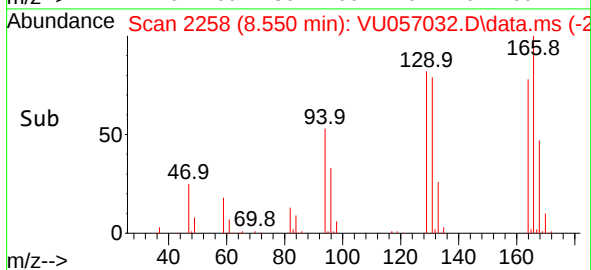
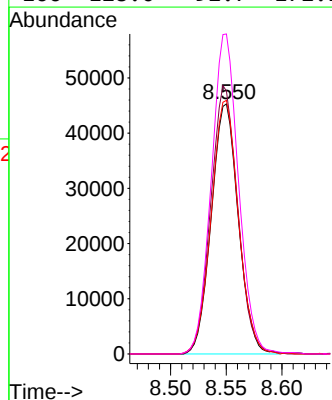
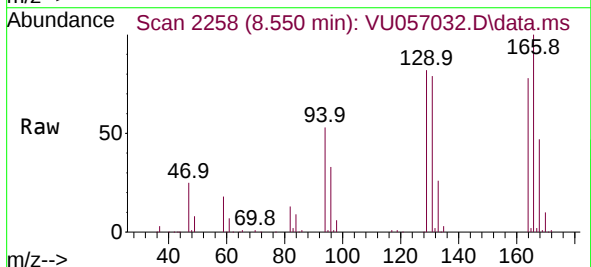
Instrument :
MSVOA_U
ClientSampleId :

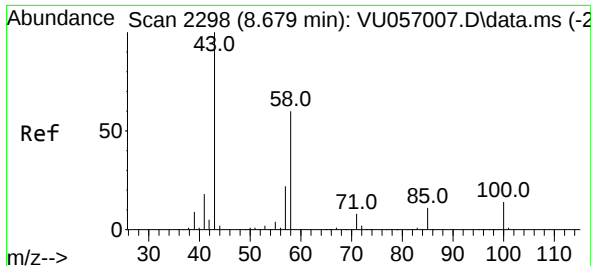
Tgt Ion: 97	Resp: 72203
Ion Ratio	Lower Upper
97 100	
99 60.3	41.9 77.9
83 91.6	59.1 109.7
85 56.3	39.6 73.6



#47
Tetrachloroethene
Concen: 4.751 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

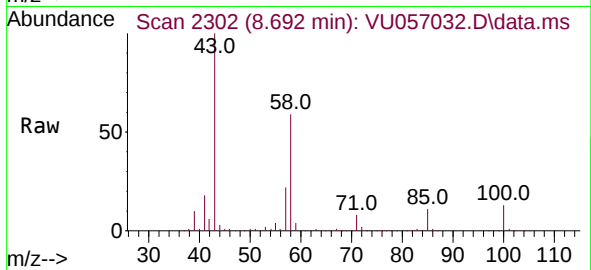
Tgt Ion: 164	Resp: 76381
Ion Ratio	Lower Upper
164 100	
129 105.1	73.4 136.4
131 101.4	71.5 132.9
166 128.0	92.7 172.1





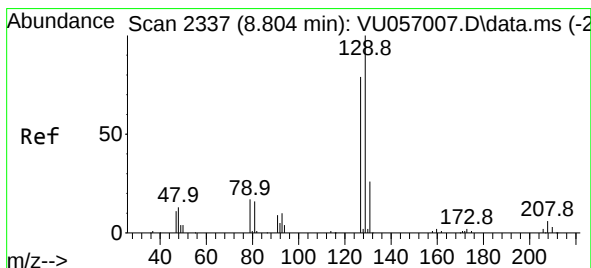
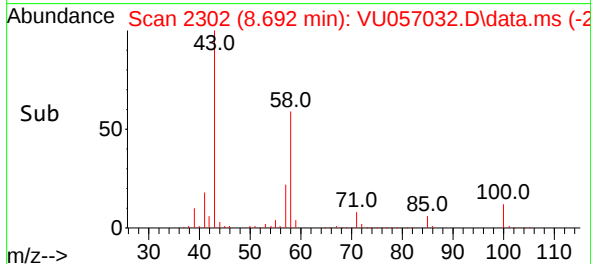
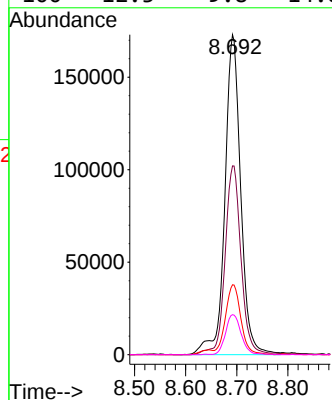
#48
2-Hexanone
Concen: 51.627 ug/L
RT: 8.692 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 374042

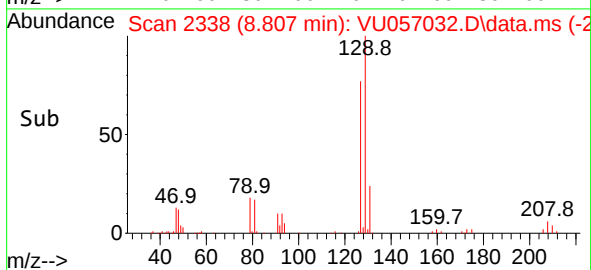
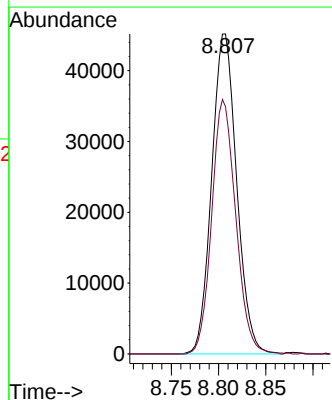
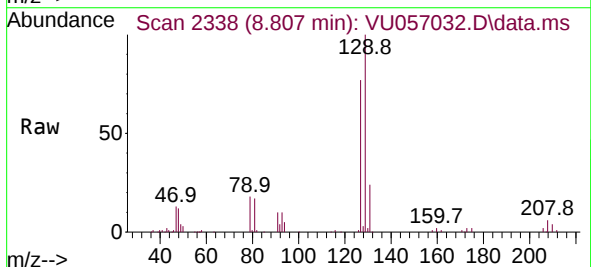
Ion	Ratio	Lower	Upper
43	100		
58	59.5	47.5	71.3
57	21.3	17.0	25.4
100	12.3	9.8	14.8

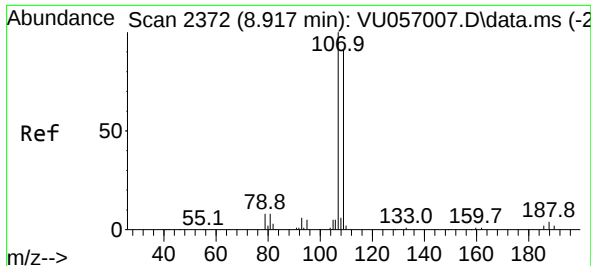


#49
Dibromochloromethane
Concen: 4.993 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 129 Resp: 83123

Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.9	100.1





#50

1,2-Dibromoethane

Concen: 4.888 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

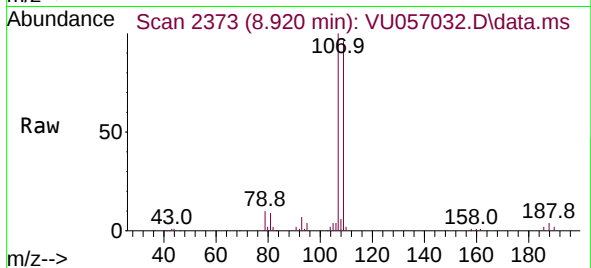
Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :



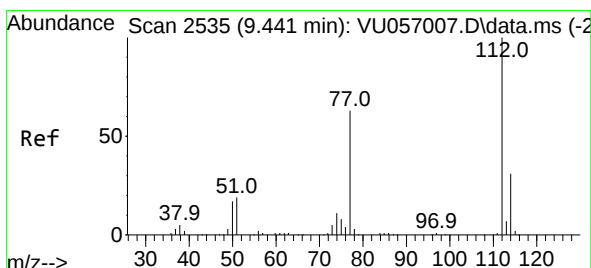
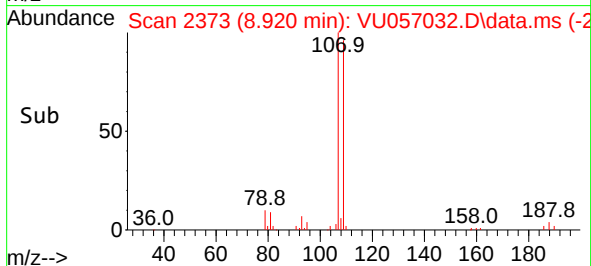
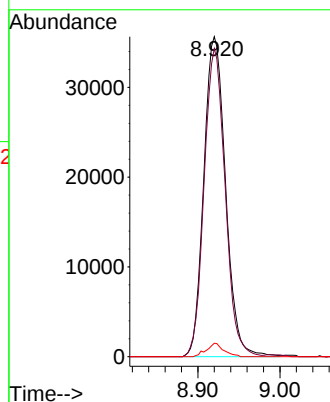
Tgt Ion:107 Resp: 65698

Ion Ratio Lower Upper

107 100

109 96.3 66.5 123.5

188 4.2 2.9 4.3



#51

Chlorobenzene

Concen: 4.943 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

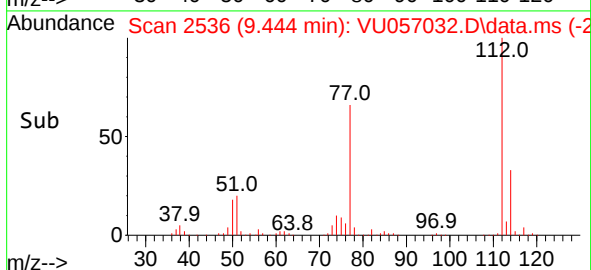
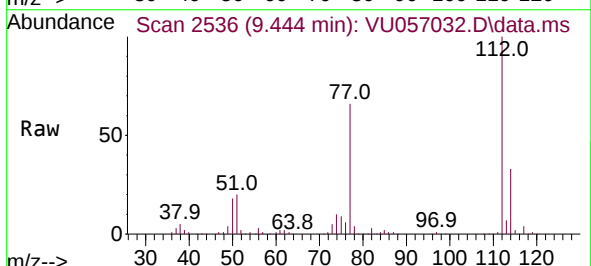
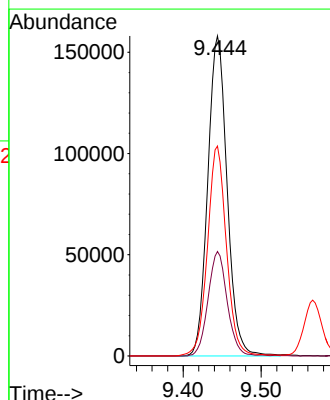
Tgt Ion:112 Resp: 273005

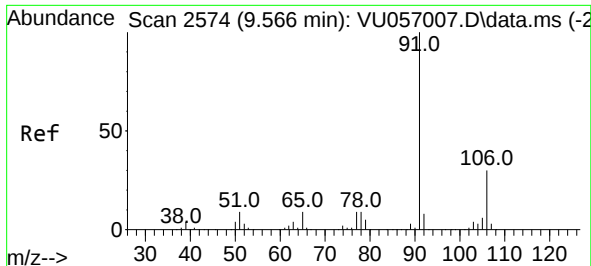
Ion Ratio Lower Upper

112 100

114 32.7 21.9 40.7

77 65.6 51.6 77.4

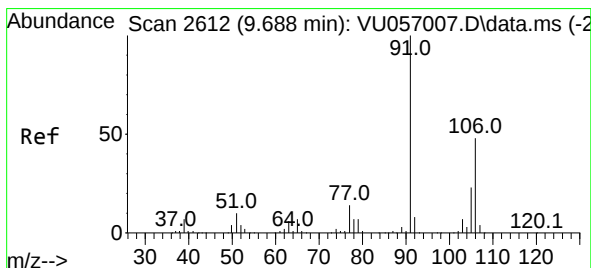
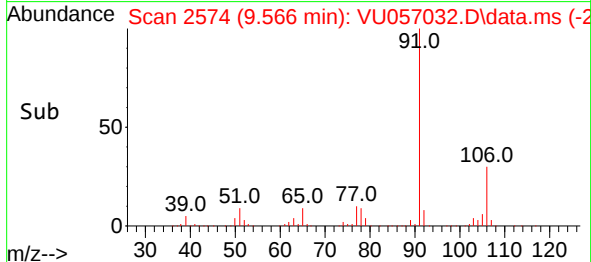
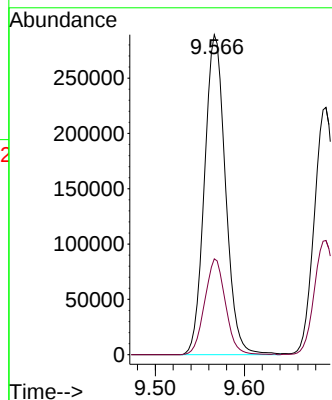
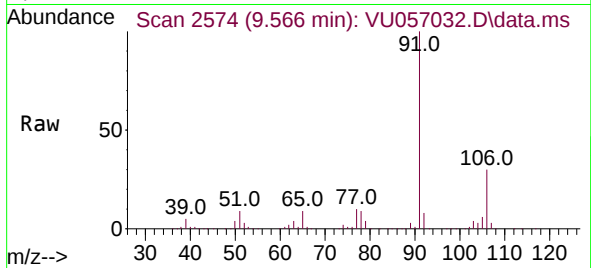




#52
Ethylbenzene
Concen: 4.952 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

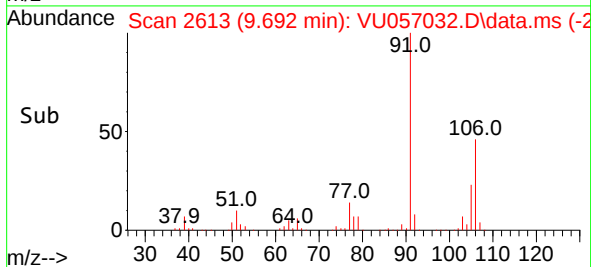
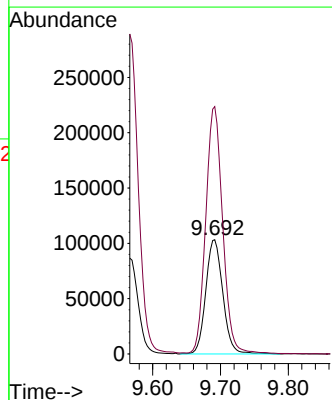
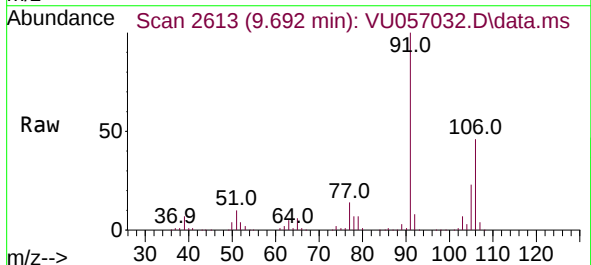
Instrument :
MSVOA_U
ClientSampleId :

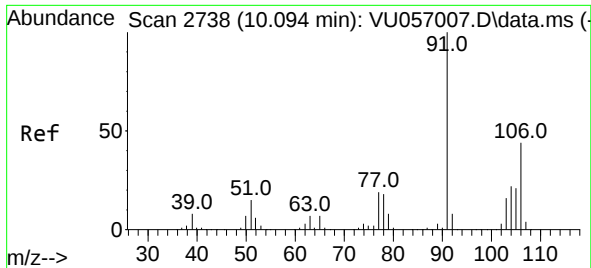
Tgt Ion: 91 Resp: 473347
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4



#53
m,p-Xylene
Concen: 5.065 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 106 Resp: 180371
Ion Ratio Lower Upper
106 100
91 216.4 154.0 286.0

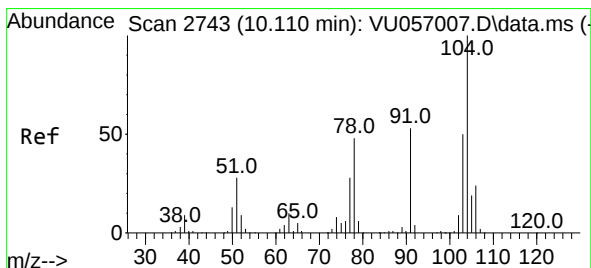
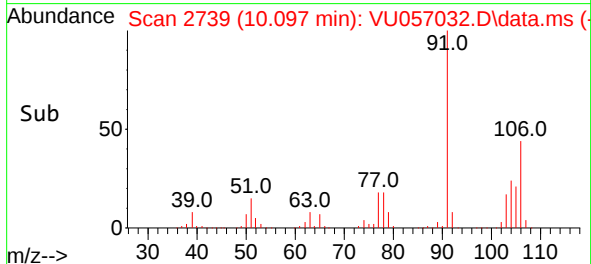
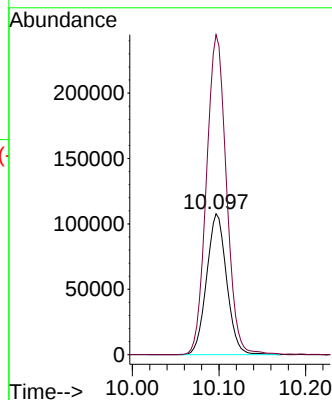
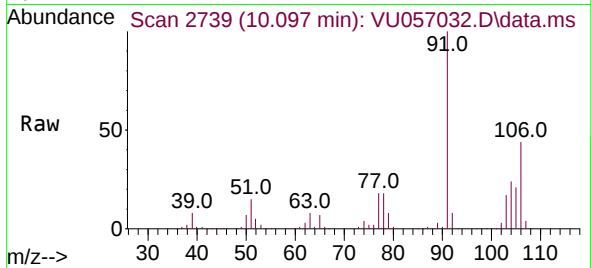




#54
o-Xylene
Concen: 5.108 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

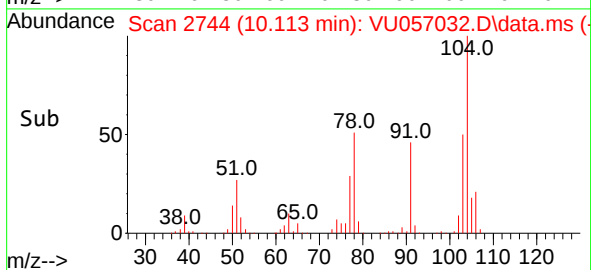
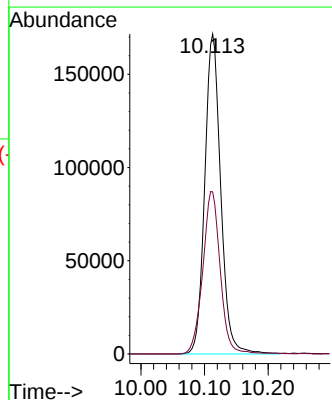
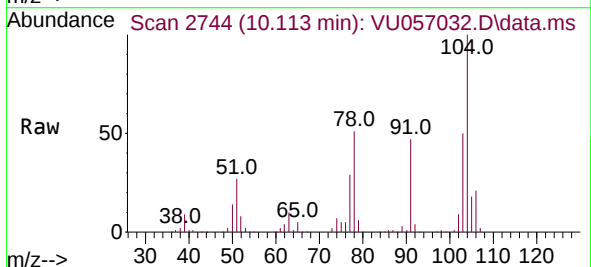
Instrument :
MSVOA_U
ClientSampleId :

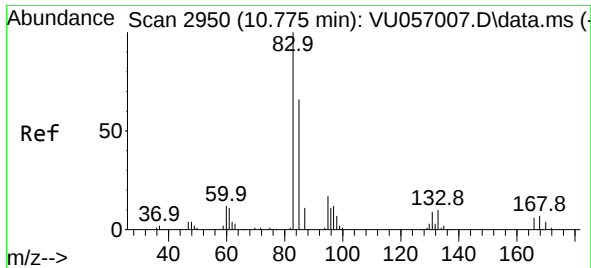
Tgt Ion:106 Resp: 173310
Ion Ratio Lower Upper
106 100
91 226.9 160.2 297.6



#55
Styrene
Concen: 5.377 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion:104 Resp: 299539
Ion Ratio Lower Upper
104 100
78 50.6 35.6 66.2





#57

1,1,2,2-Tetrachloroethane

Concen: 5.026 ug/L

RT: 10.782 min Scan# 2950

Delta R.T. 0.006 min

Lab File: VU057032.D

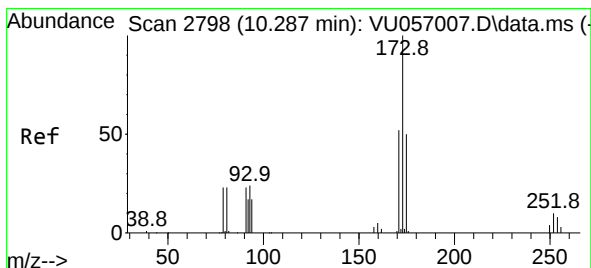
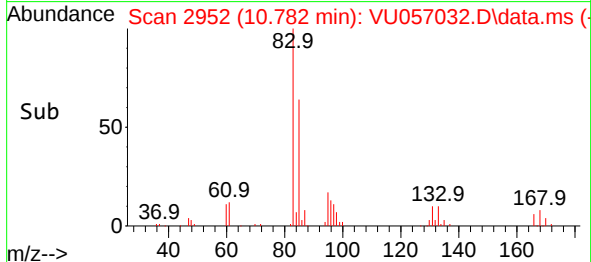
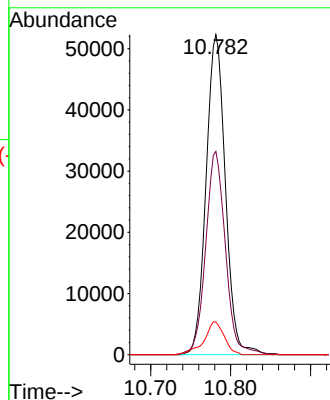
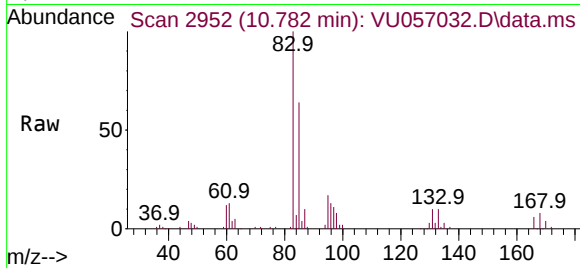
Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	83	Resp:	87945
Ion Ratio	Lower	Upper	
83	100		
85	63.5	45.4	84.4
131	10.2	6.6	9.8#



#59

Bromoform

Concen: 4.987 ug/L

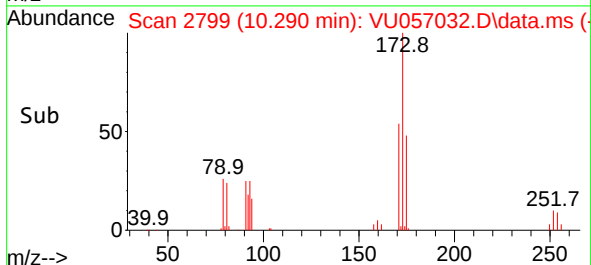
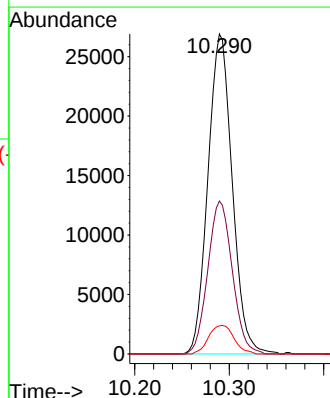
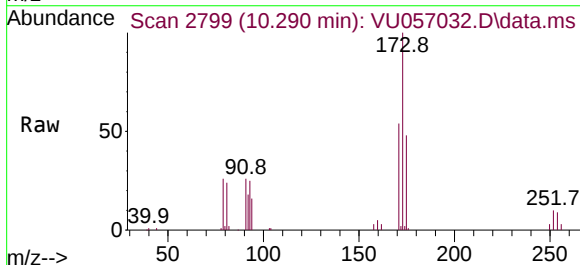
RT: 10.290 min Scan# 2799

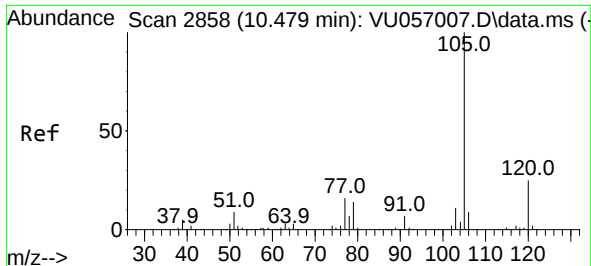
Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Tgt Ion:	173	Resp:	48011
Ion Ratio	Lower	Upper	
173	100		
175	48.1	38.2	57.2
254	9.3	7.0	10.4

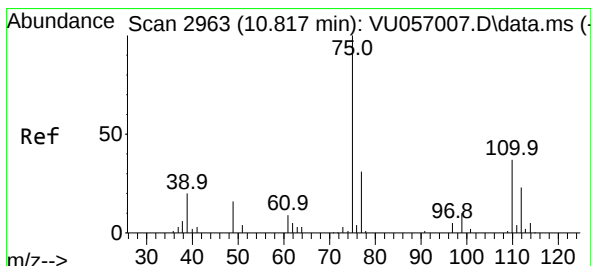
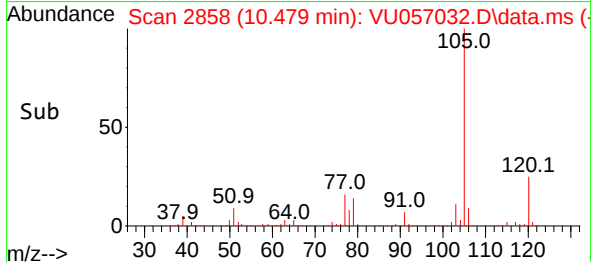
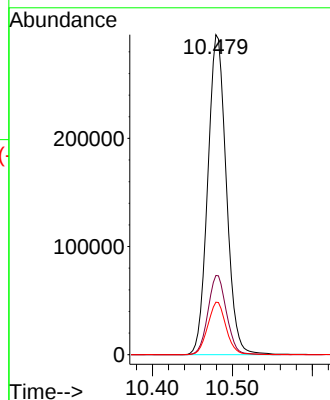
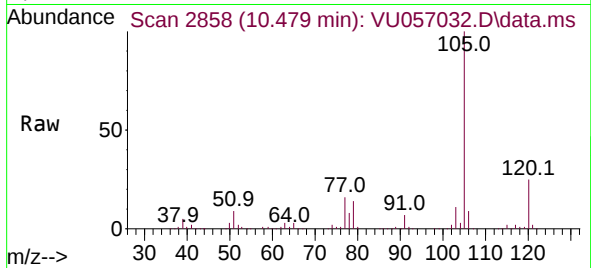




#60
Isopropylbenzene
Concen: 5.116 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

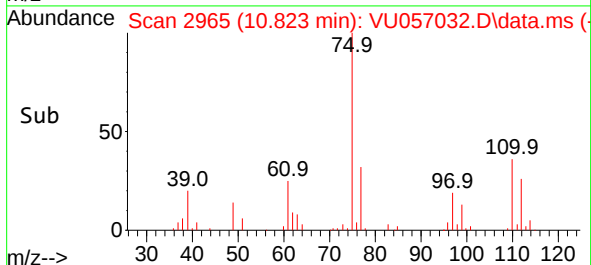
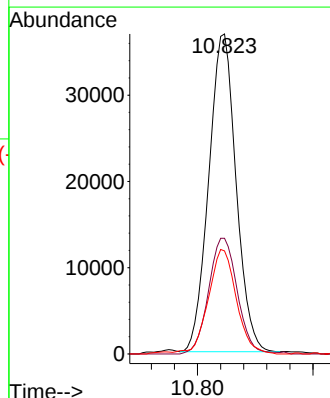
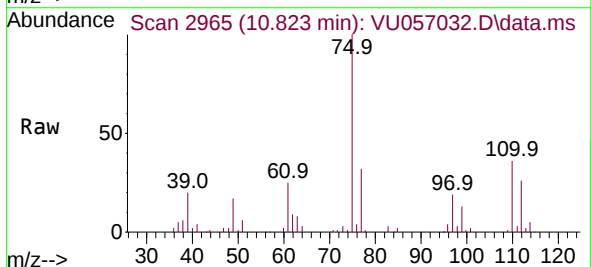
Instrument :
MSVOA_U
ClientSampleId :

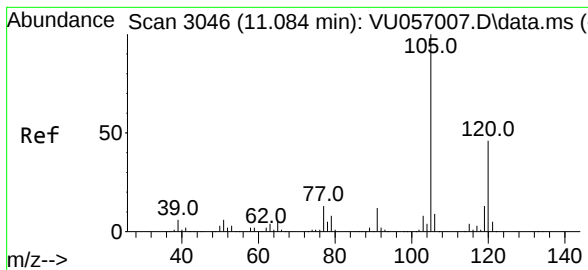
Tgt Ion:105 Resp: 476557
Ion Ratio Lower Upper
105 100
120 24.7 20.1 30.1
77 16.3 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.781 ug/L
RT: 10.823 min Scan# 2965
Delta R.T. 0.006 min
Lab File: VU057032.D
Acq: 19 Dec 2023 09:47

Tgt Ion: 75 Resp: 60529
Ion Ratio Lower Upper
75 100
110 38.4 28.4 42.6
77 33.7 26.3 39.5

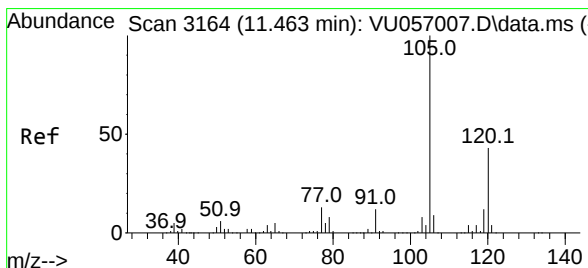
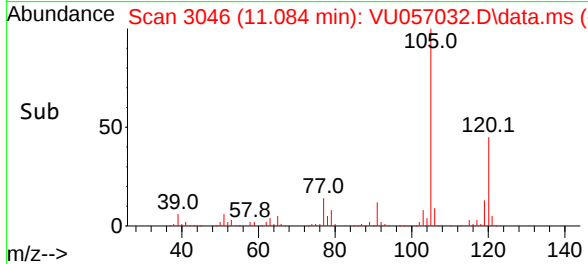
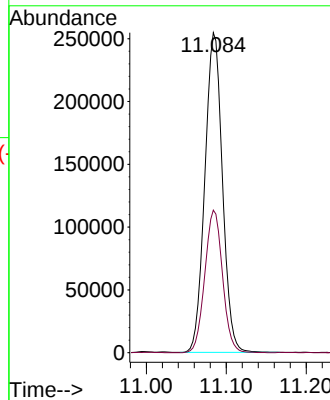
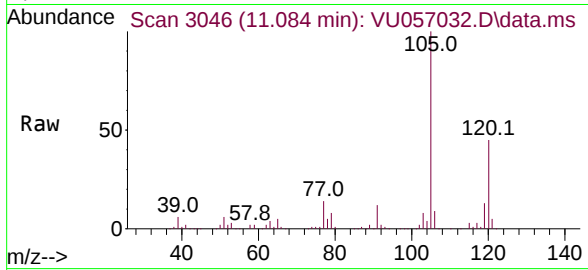




#62
 1,3,5-Trimethylbenzene
 Concen: 5.118 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. -0.000 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

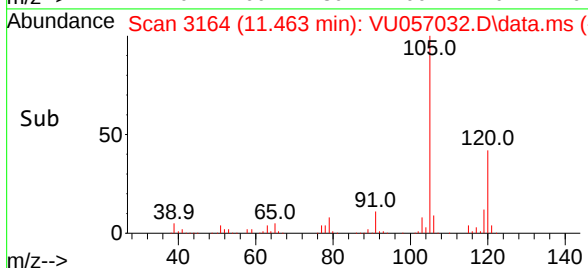
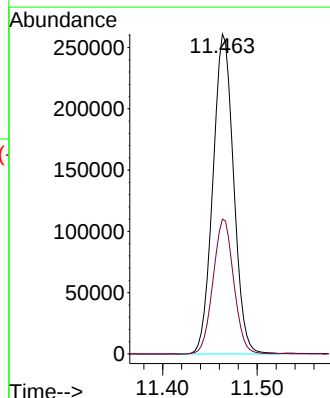
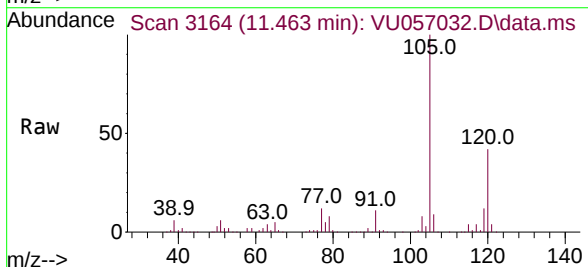
Instrument :
 MSVOA_U
 ClientSampleId :

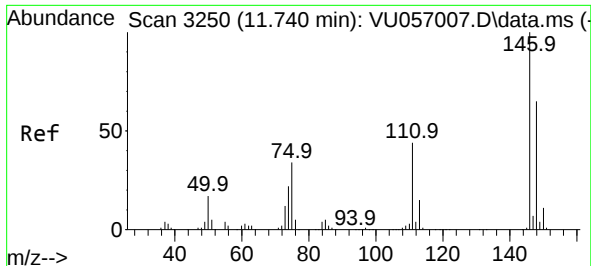
Tgt Ion:105 Resp: 389622
 Ion Ratio Lower Upper
 105 100
 120 44.9 36.8 55.2



#63
 1,2,4-Trimethylbenzene
 Concen: 5.254 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. -0.000 min
 Lab File: VU057032.D
 Acq: 19 Dec 2023 09:47

Tgt Ion:105 Resp: 397282
 Ion Ratio Lower Upper
 105 100
 120 42.2 34.2 51.4





#64

1,3-Dichlorobenzene

Concen: 4.847 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

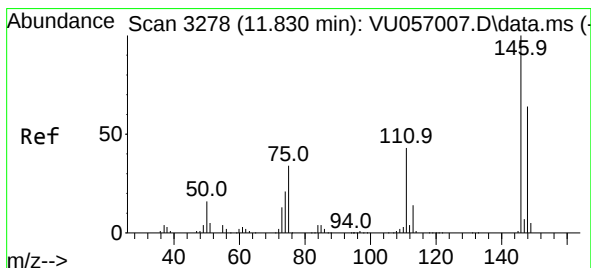
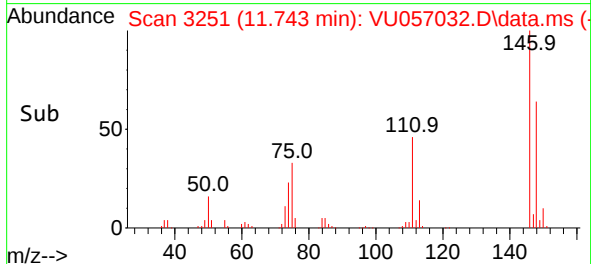
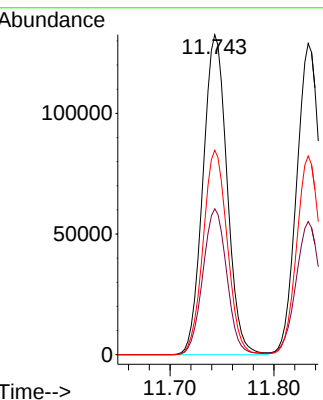
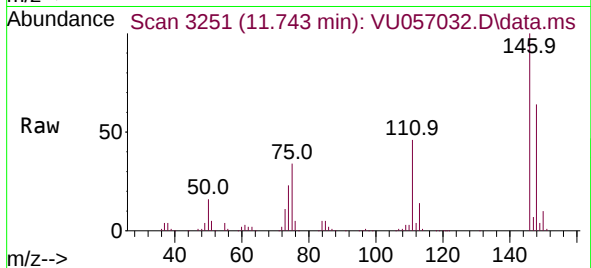
Tgt Ion:146 Resp: 213580

Ion Ratio Lower Upper

146 100

111 45.6 31.7 58.9

148 63.9 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 4.822 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

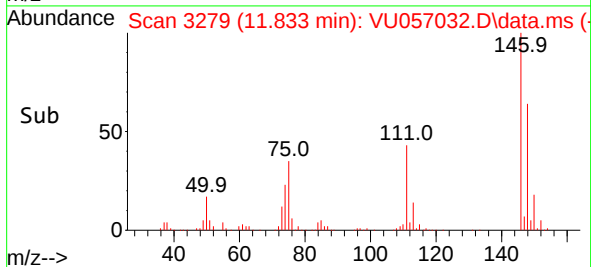
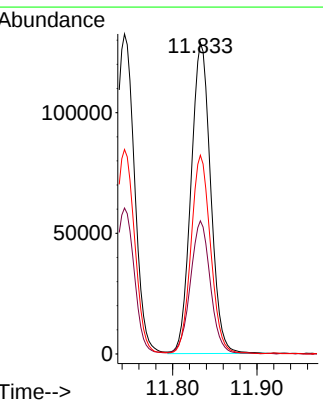
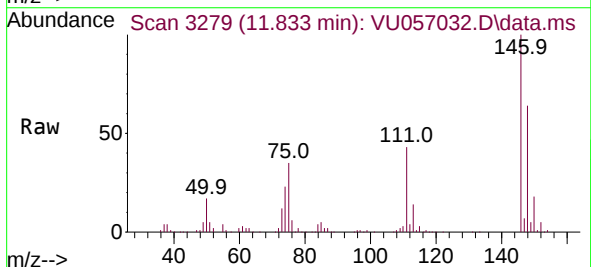
Tgt Ion:146 Resp: 209227

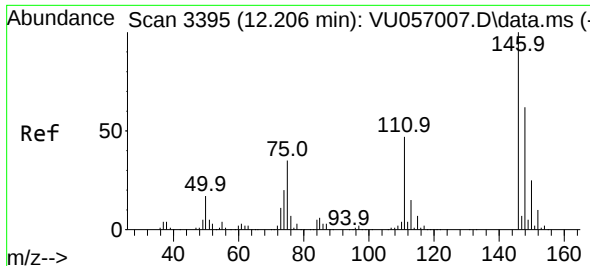
Ion Ratio Lower Upper

146 100

111 42.8 31.2 58.0

148 63.9 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.781 ug/L

RT: 12.209 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

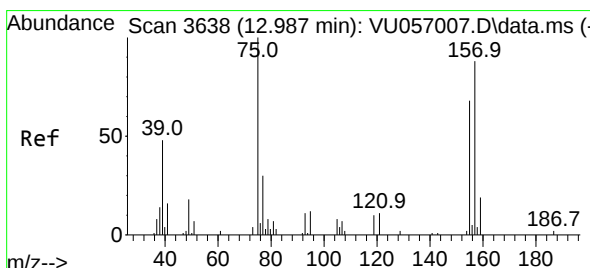
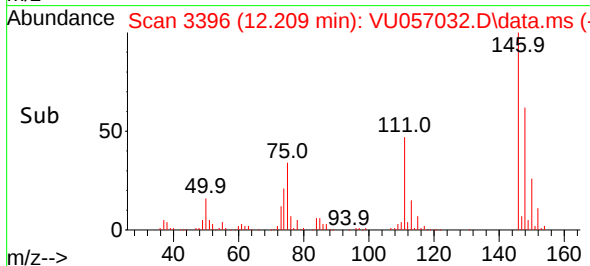
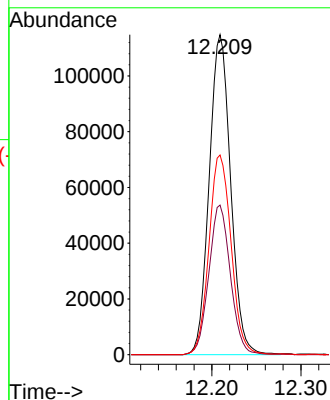
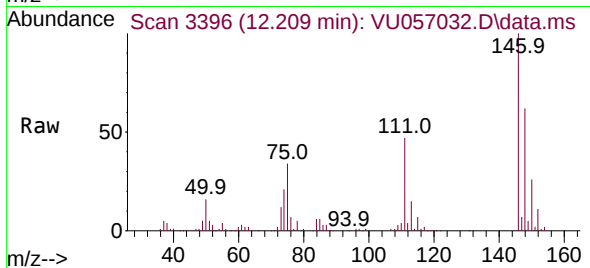
Tgt Ion:146 Resp: 191910

Ion Ratio Lower Upper

146 100

111 46.8 36.9 55.3

148 62.4 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.922 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.006 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

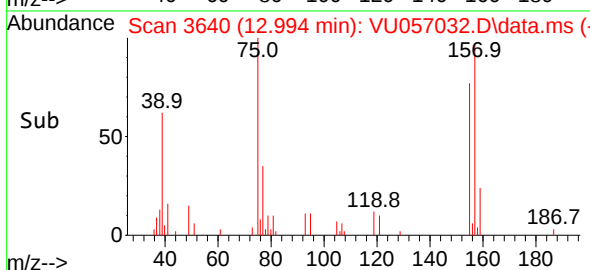
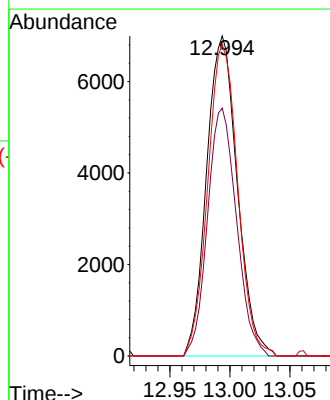
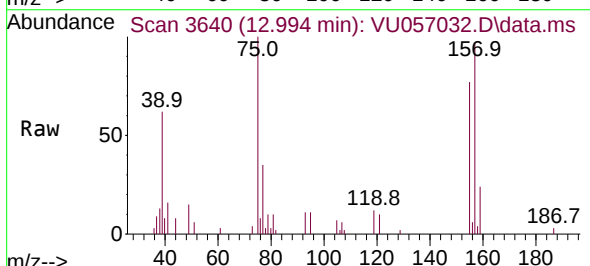
Tgt Ion: 75 Resp: 12439

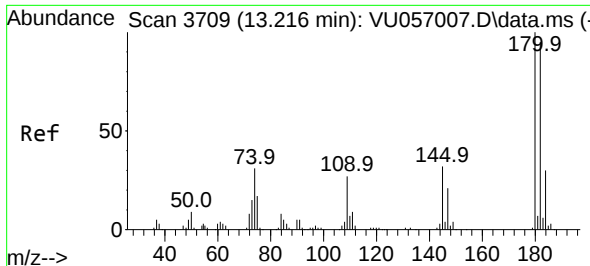
Ion Ratio Lower Upper

75 100

155 77.5 55.4 83.2

157 97.3 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 4.522 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. -0.000 min

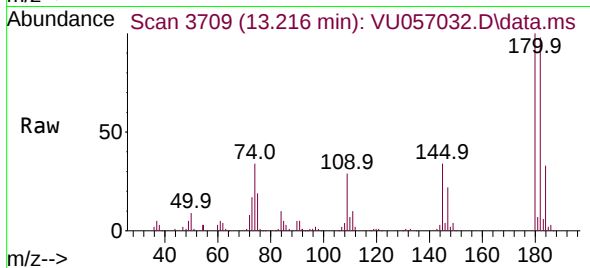
Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 150554

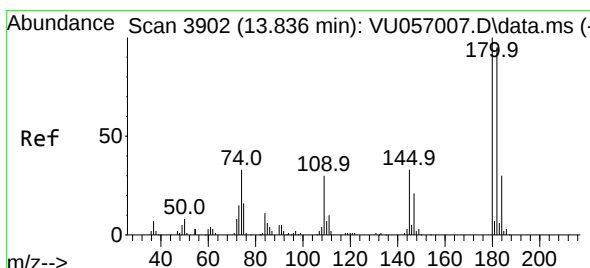
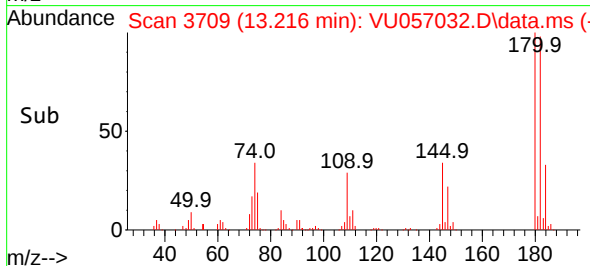
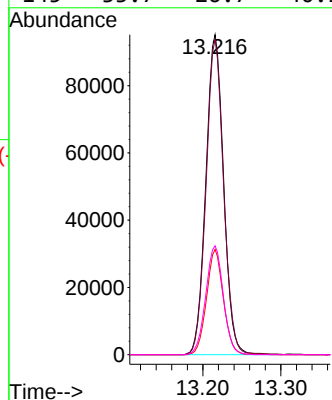
Ion Ratio Lower Upper

180 100

182 97.1 76.2 114.4

184 31.2 24.6 37.0

145 33.7 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 4.299 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

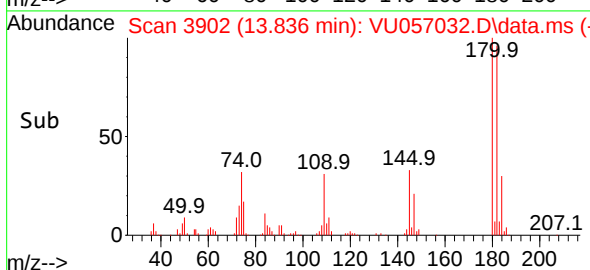
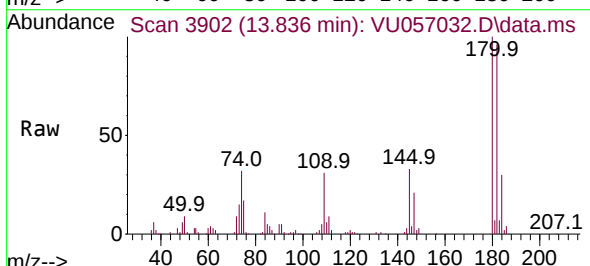
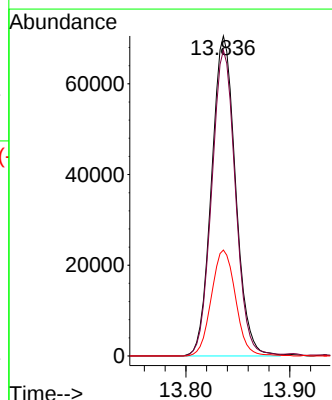
Tgt Ion:180 Resp: 113340

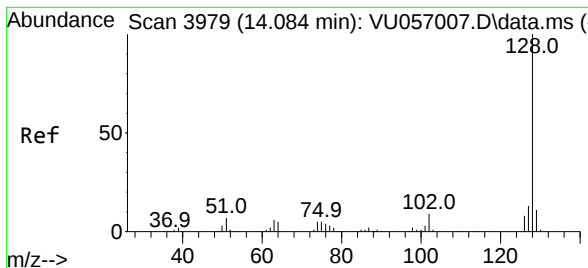
Ion Ratio Lower Upper

180 100

182 94.2 74.3 111.5

145 33.4 26.7 40.1





#71

Naphthalene

Concen: 4.029 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. -0.000 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Instrument :

MSVOA_U

ClientSampleId :

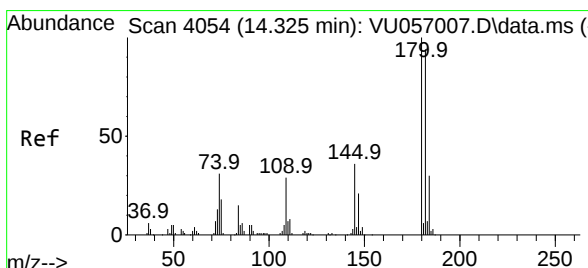
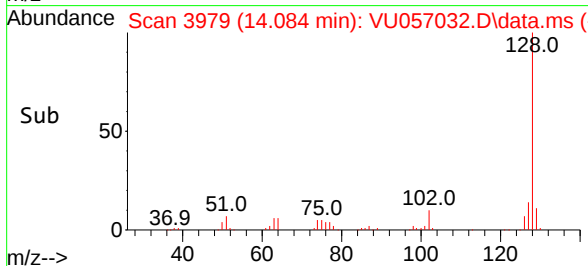
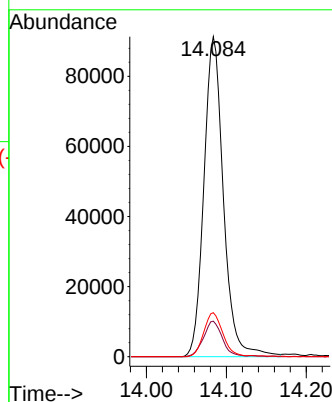
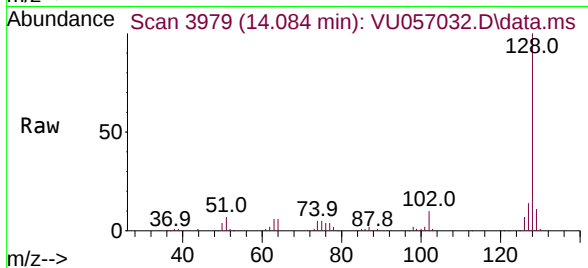
Tgt Ion:128 Resp: 155471

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 13.7 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 4.213 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU057032.D

Acq: 19 Dec 2023 09:47

Tgt Ion:180 Resp: 94314

Ion Ratio Lower Upper

180 100

182 96.2 75.0 112.6

145 35.6 28.6 42.8

