

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055819.D
 Acq On : 20 Oct 2023 09:05
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 01:01:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 18 05:33:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	535869	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	529257	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	294505	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	209699	43.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.260%
7) Chloroethane-d5	1.907	69	177391	45.150	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.300%
11) 1,1-Dichloroethene-d2	2.567	63	401112	46.802	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.600%
21) 2-Butanone-d5	4.615	46	258850	72.679	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	72.680%
24) Chloroform-d	5.058	84	428206	46.471	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.940%
26) 1,2-Dichloroethane-d4	5.695	65	264948	46.714	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.420%
32) Benzene-d6	5.724	84	828828	48.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.900%
36) 1,2-Dichloropropane-d6	6.685	67	258518	48.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.440%
41) Toluene-d8	7.894	98	749203	48.997	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.000%
43) trans-1,3-Dichloroprop...	8.177	79	121482	47.174	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.340%
47) 2-Hexanone-d5	8.627	63	130372	61.861	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	61.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	377095	45.699	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	294098	50.322	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	235271	52.729	ug/L	100
3) Chloromethane	1.518	50	222737	52.757	ug/L	99
5) Vinyl chloride	1.602	62	245572	52.854	ug/L	98
6) Bromomethane	1.846	94	154459	52.002	ug/L	99
8) Chloroethane	1.927	64	155044	50.873	ug/L	98
9) Trichlorofluoromethane	2.136	101	355476	53.549	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	227508	53.291	ug/L	98
12) 1,1-Dichloroethene	2.576	96	201864	53.136	ug/L	96
13) Acetone	2.618	43	396535	119.977	ug/L	100
14) Carbon disulfide	2.792	76	569322	49.245	ug/L	99
15) Methyl Acetate	2.939	43	216850	42.842	ug/L	97
16) Methylene chloride	3.039	84	231725	50.298	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	201904	51.974	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	665419	53.263	ug/L	98
19) 1,1-Dichloroethane	3.862	63	400489	50.272	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	231495	52.214	ug/L	98
22) 2-Butanone	4.692	43	407482	102.288	ug/L	99
23) Bromochloromethane	4.972	128	120130	52.318	ug/L	94
25) Chloroform	5.081	83	418177	50.249	ug/L	98

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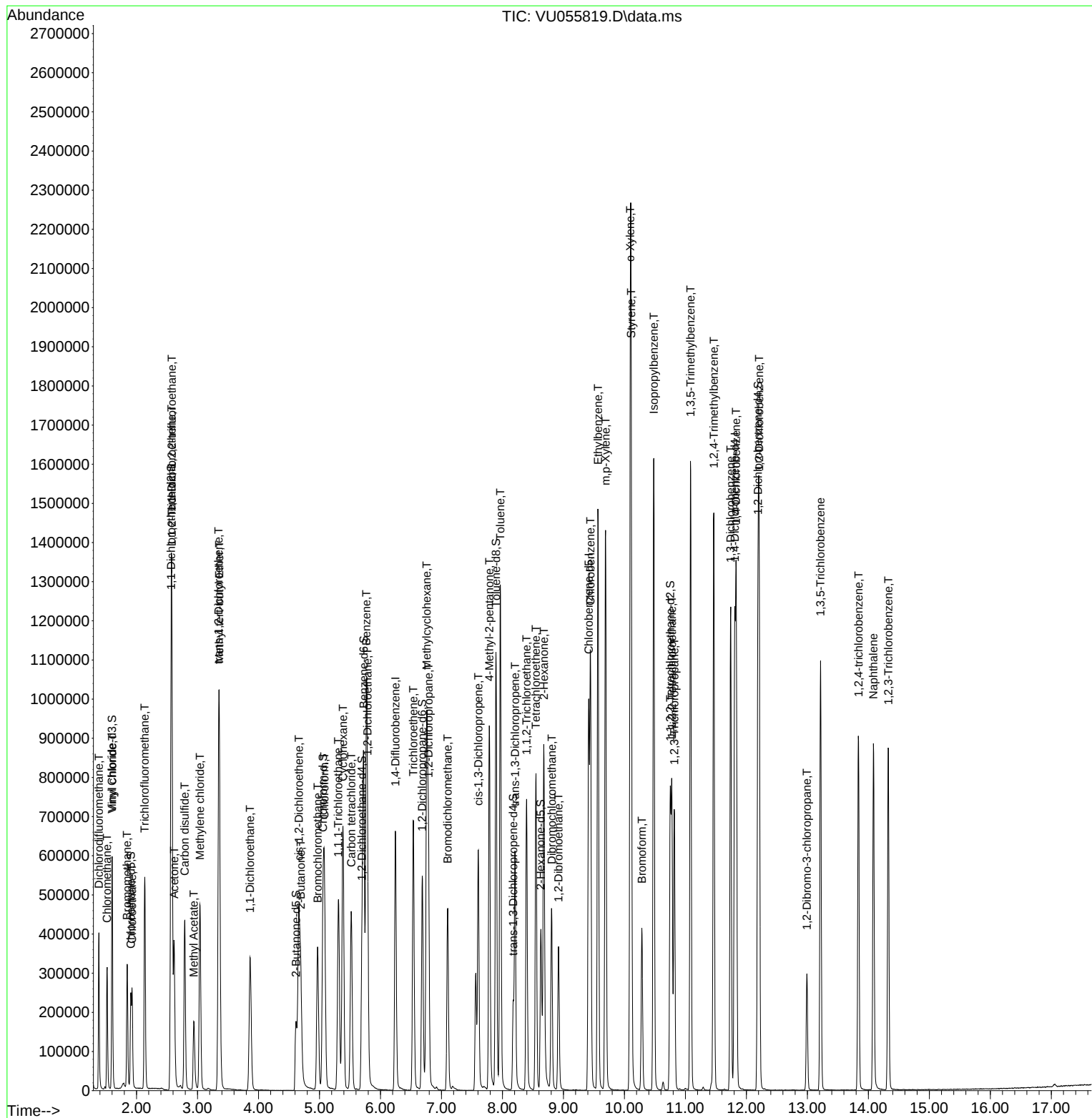
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	328212	49.310	ug/L	99
29) Cyclohexane	5.386	56	339728	56.001	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	364070	53.244	ug/L	99
31) Carbon tetrachloride	5.521	117	319209	53.334	ug/L	97
33) Benzene	5.769	78	892271	53.333	ug/L	100
34) Trichloroethene	6.541	95	242754	53.030	ug/L	98
35) Methylcyclohexane	6.759	83	373731	56.270	ug/L	99
37) 1,2-Dichloropropane	6.788	63	238949	51.868	ug/L	99
38) Bromodichloromethane	7.103	83	311852	51.331	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	378442	53.995	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	596101	93.009	ug/L	96
42) Toluene	7.965	91	944367	53.495	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	351453	52.408	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	233801	51.468	ug/L	98
46) Tetrachloroethene	8.550	164	175183	53.450	ug/L	97
48) 2-Hexanone	8.679	43	538159	99.411	ug/L	95
49) Dibromochloromethane	8.807	129	244223	52.617	ug/L	99
50) 1,2-Dibromoethane	8.920	107	247594	50.745	ug/L	97
51) Chlorobenzene	9.444	112	594442	52.044	ug/L	99
52) Ethylbenzene	9.566	91	1060475	54.947	ug/L	99
53) m,p-Xylene	9.692	106	404507	55.944	ug/L	94
54) o-Xylene	10.097	106	389980	55.735	ug/L	96
55) Styrene	10.113	104	676641	57.085	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	378666	48.682	ug/L	98
59) Bromoform	10.286	173	184682	50.941	ug/L	96
60) 1,2,3-Trichloropropane	10.817	75	303476	47.480	ug/L	98
61) Isopropylbenzene	10.483	105	1055914	57.512	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	876531	59.002	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	826337	56.252	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	493489	54.373	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	492796	52.811	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	492137	54.641	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	80271	42.008	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	330483	54.590	ug/L	100
70) 1,2,4-trichlorobenzene	13.839	180	267938	53.135	ug/L	98
71) Naphthalene	14.084	128	714912	47.727	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	256993	51.691	ug/L	98

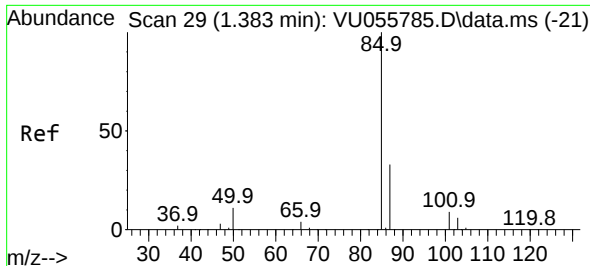
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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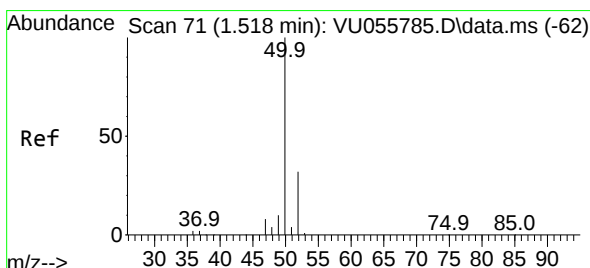
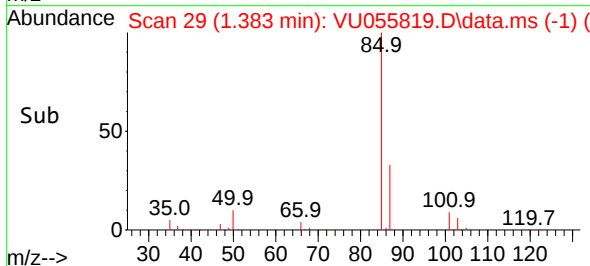
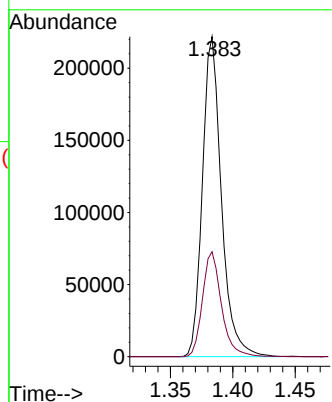
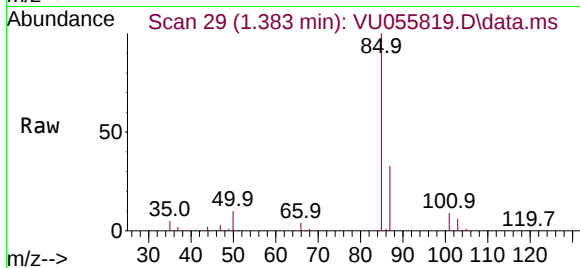




#2
 Dichlorodifluoromethane
 Concen: 52.729 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

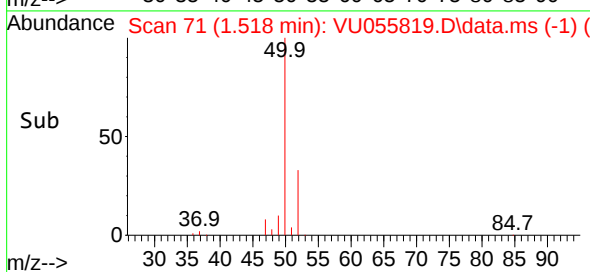
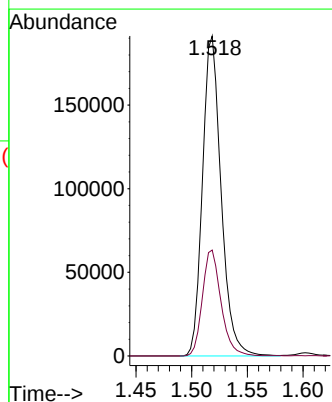
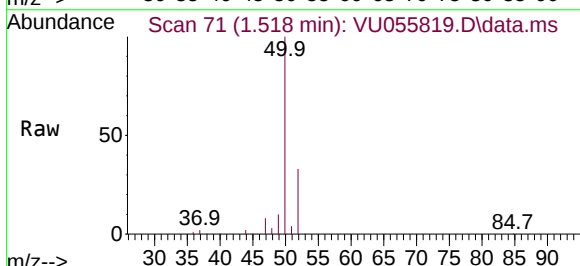
Instrument :
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 ClientSampleId :

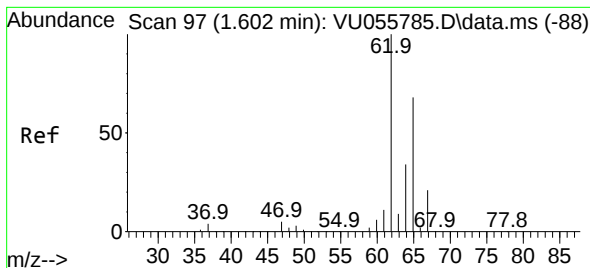
Tgt Ion: 85 Resp: 235271
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0



#3
 Chloromethane
 Concen: 52.757 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

Tgt Ion: 50 Resp: 222737
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 52.854 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

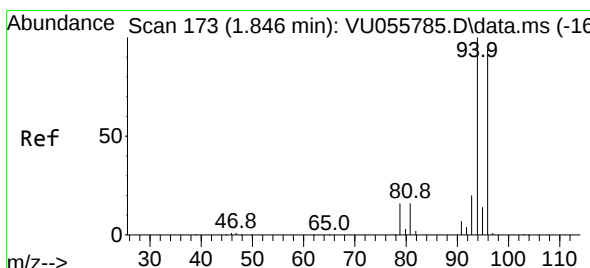
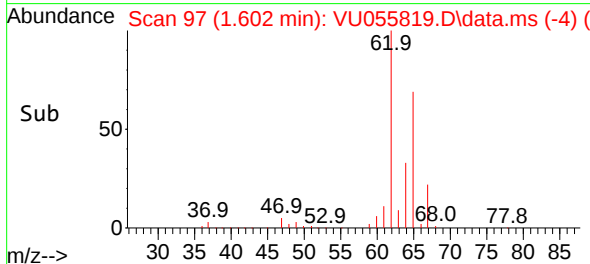
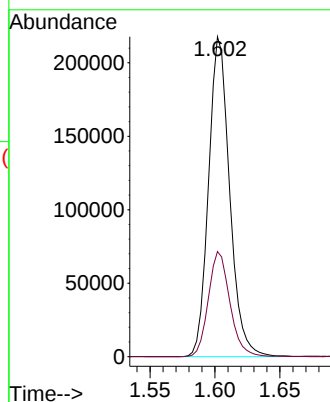
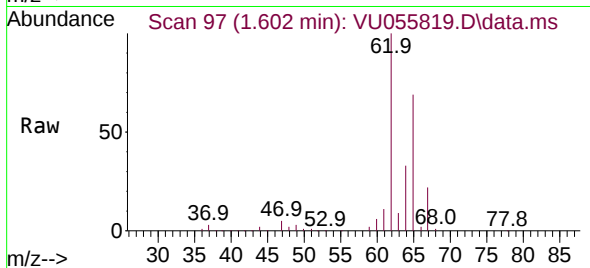
ClientSampleId :

Tgt Ion: 62 Resp: 245572

Ion Ratio Lower Upper

62 100

64 32.8 23.9 44.5



#6

Bromomethane

Concen: 52.002 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.000 min

Lab File: VU055819.D

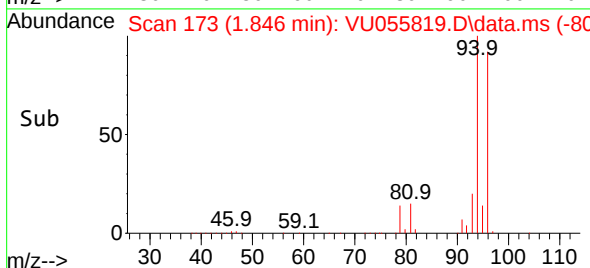
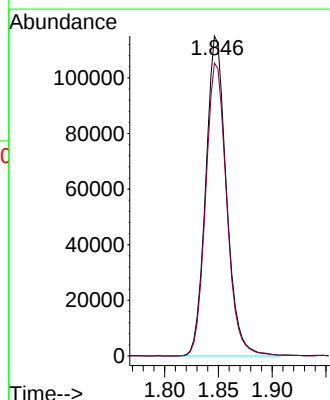
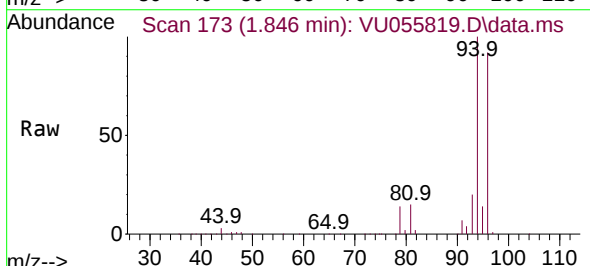
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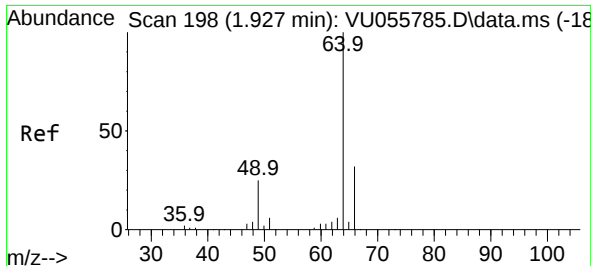
Tgt Ion: 94 Resp: 154459

Ion Ratio Lower Upper

94 100

96 91.5 63.5 117.9

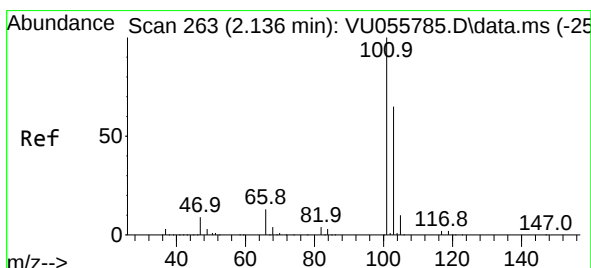
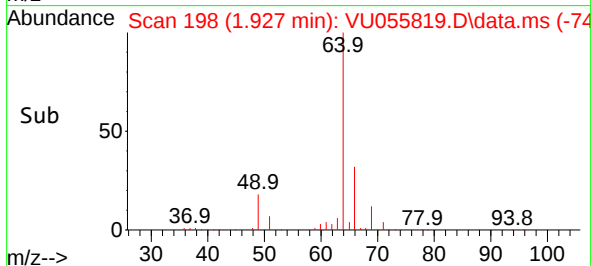
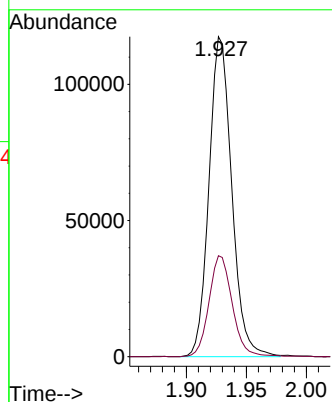
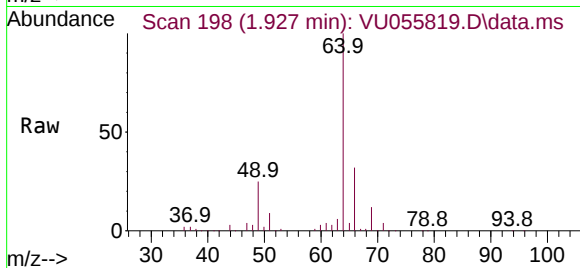




#8
Chloroethane
Concen: 50.873 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

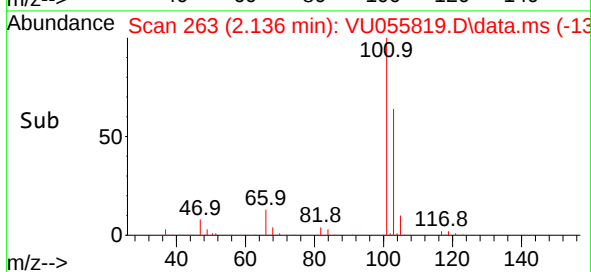
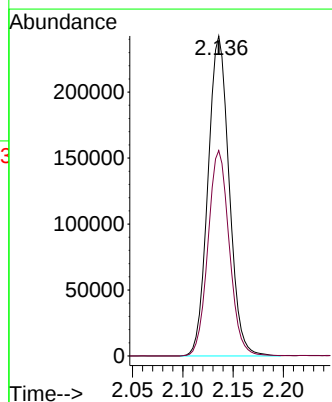
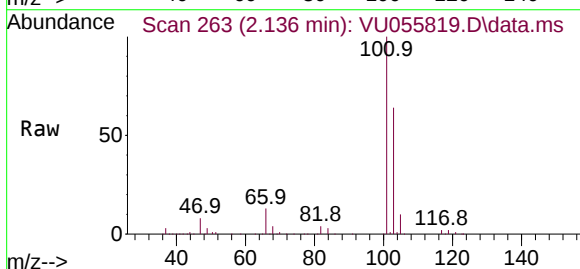
Instrument :
MSVOA_U
ClientSampleId :

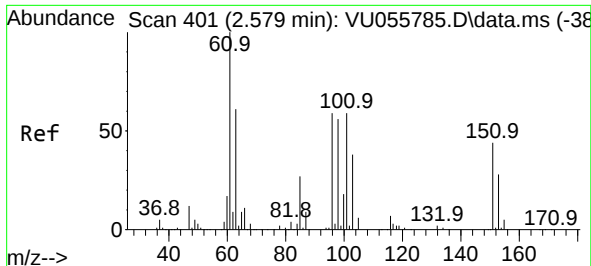
Tgt Ion: 64 Resp: 155044
Ion Ratio Lower Upper
64 100
66 31.5 22.9 42.5



#9
Trichlorofluoromethane
Concen: 53.549 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion:101 Resp: 355476
Ion Ratio Lower Upper
101 100
103 64.5 51.3 76.9

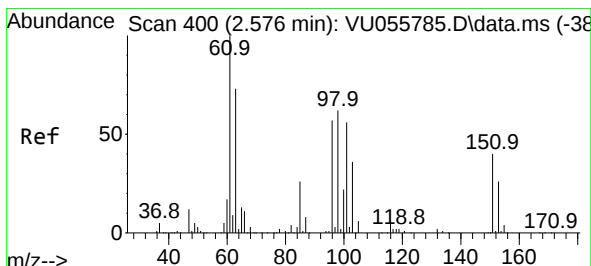
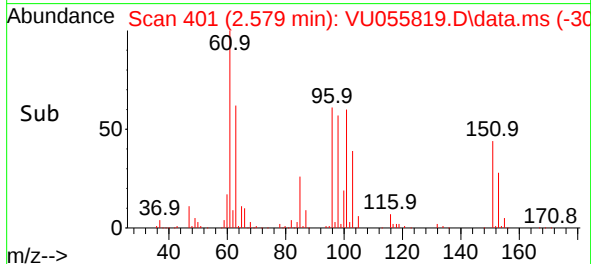
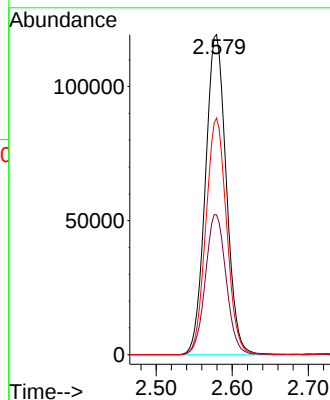
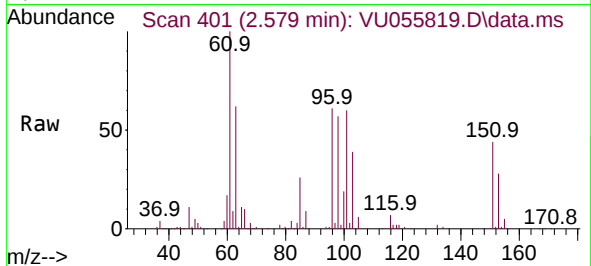




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.291 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

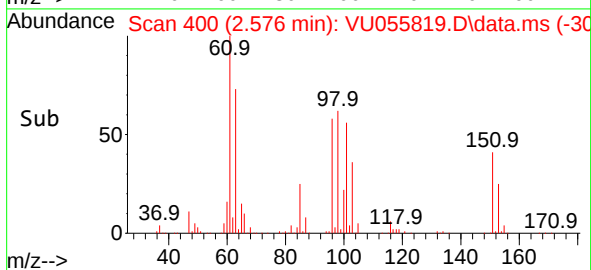
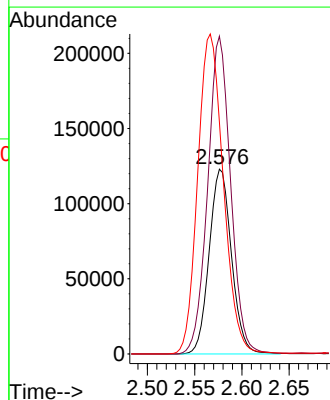
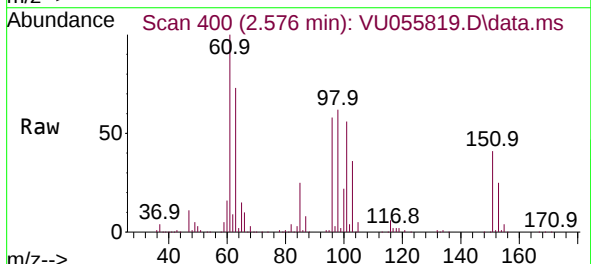
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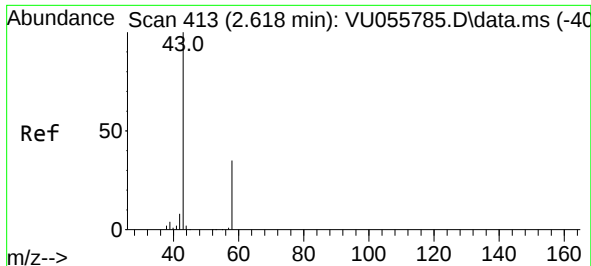
Tgt Ion:101 Resp: 227508
 Ion Ratio Lower Upper
 101 100
 85 43.6 37.1 55.7
 151 73.5 58.2 87.4



#12
 1,1-Dichloroethene
 Concen: 53.136 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

Tgt Ion: 96 Resp: 201864
 Ion Ratio Lower Upper
 96 100
 61 171.9 122.0 226.6
 63 125.6 93.7 174.1





#13

Acetone

Concen: 119.977 ug/L

RT: 2.618 min Scan# 413

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

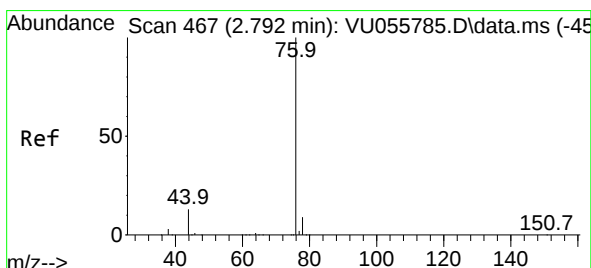
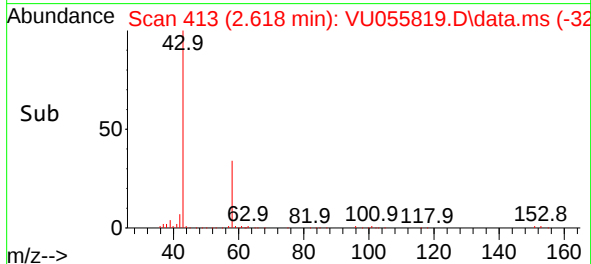
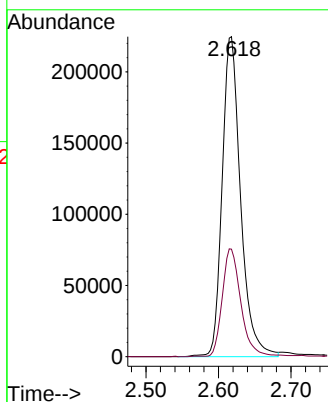
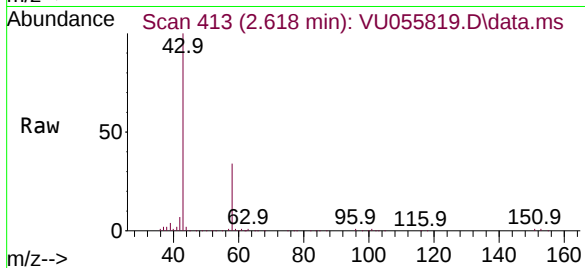
ClientSampleId :

Tgt Ion: 43 Resp: 396535

Ion Ratio Lower Upper

43 100

58 33.8 0.0 67.4



#14

Carbon disulfide

Concen: 49.245 ug/L

RT: 2.792 min Scan# 467

Delta R.T. 0.000 min

Lab File: VU055819.D

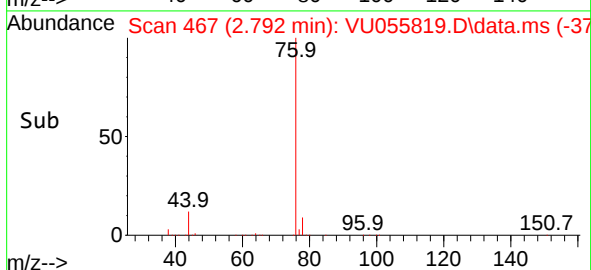
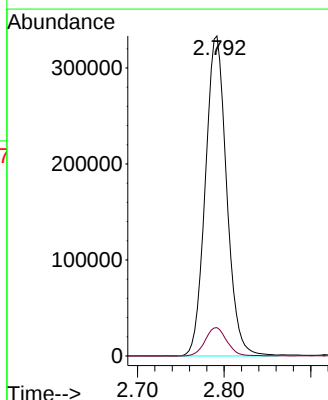
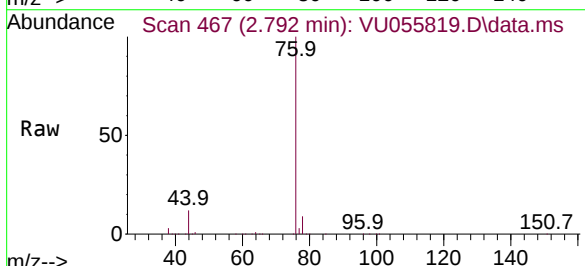
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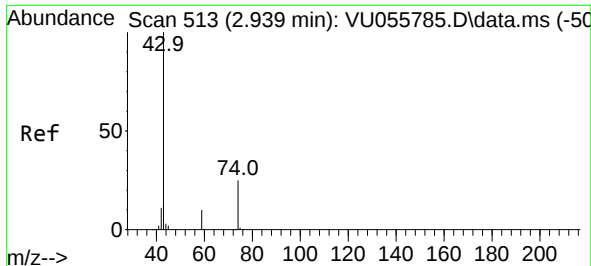
Tgt Ion: 76 Resp: 569322

Ion Ratio Lower Upper

76 100

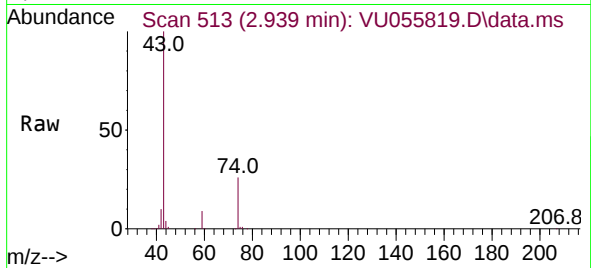
78 8.9 6.8 10.2



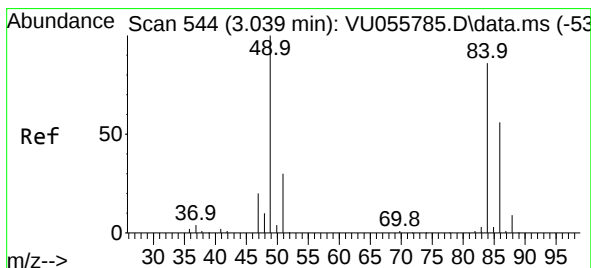
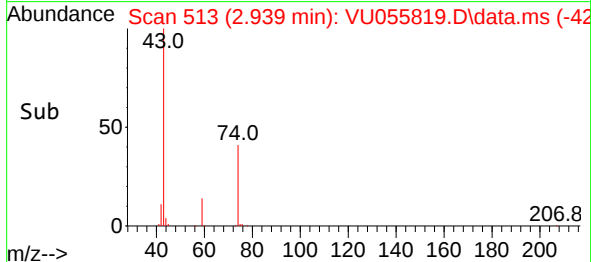
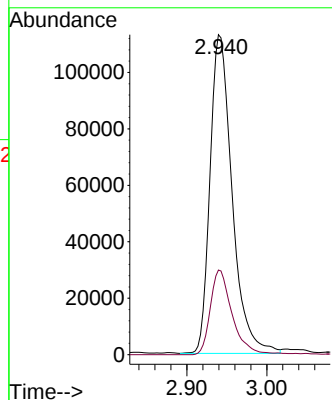


#15
Methyl Acetate
Concen: 42.842 ug/L
RT: 2.939 min Scan# 513
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Instrument :
MSVOA_U
ClientSampleId :

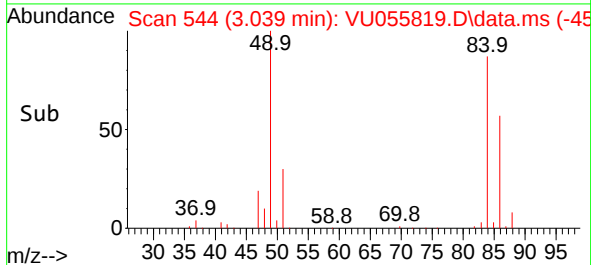
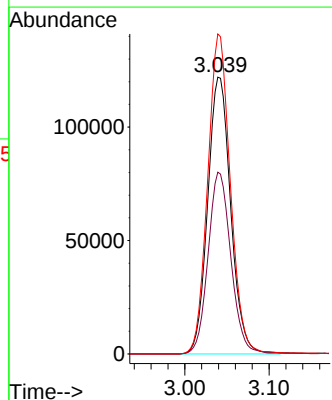
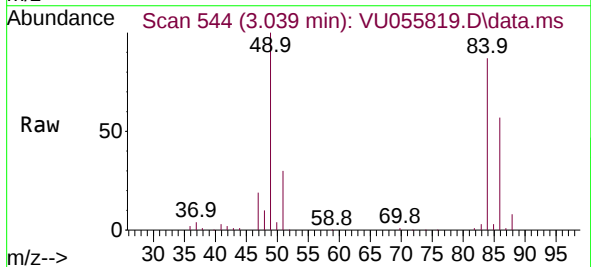


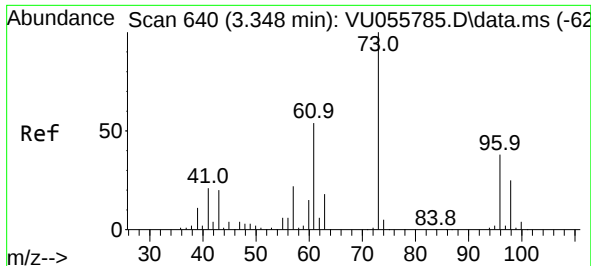
Tgt Ion: 43 Resp: 216850
Ion Ratio Lower Upper
43 100
74 26.0 19.5 29.3



#16
Methylene chloride
Concen: 50.298 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion: 84 Resp: 231725
Ion Ratio Lower Upper
84 100
86 65.6 46.3 86.1
49 115.6 84.8 157.6

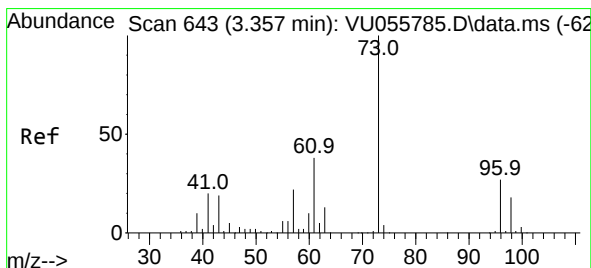
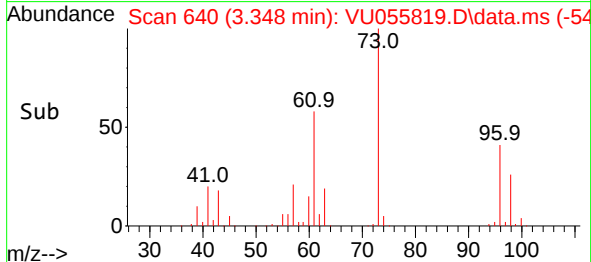
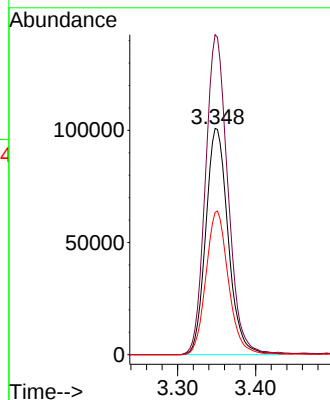
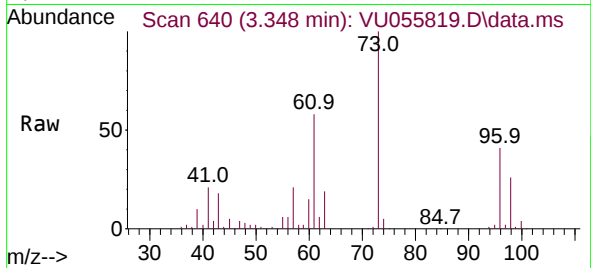




#17
trans-1,2-Dichloroethene
Concen: 51.974 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

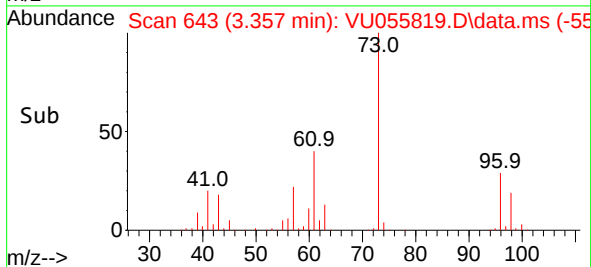
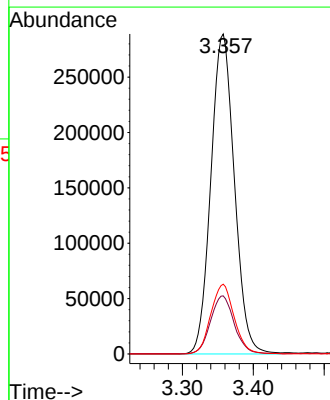
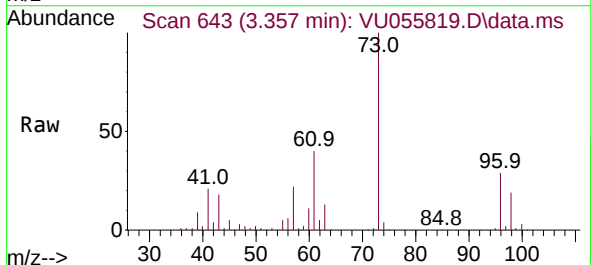
Instrument :
MSVOA_U
ClientSampleId :

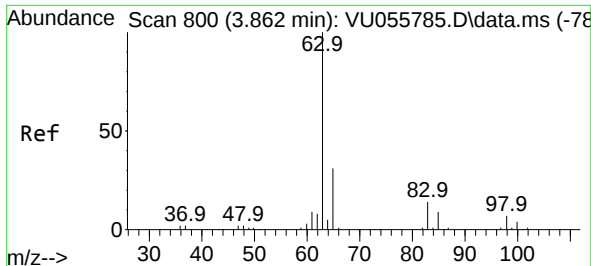
Tgt Ion: 96 Resp: 201904
Ion Ratio Lower Upper
96 100
61 141.4 102.1 189.7
98 62.9 46.3 86.1



#18
Methyl tert-butyl Ether
Concen: 53.263 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion: 73 Resp: 665419
Ion Ratio Lower Upper
73 100
43 18.1 15.4 23.2
57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 50.272 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :

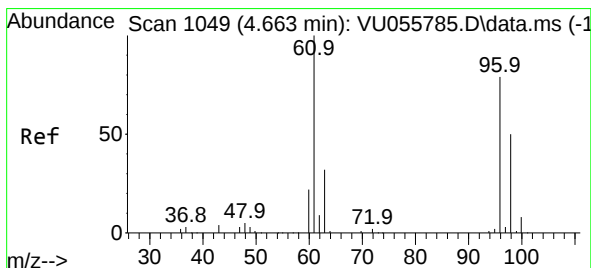
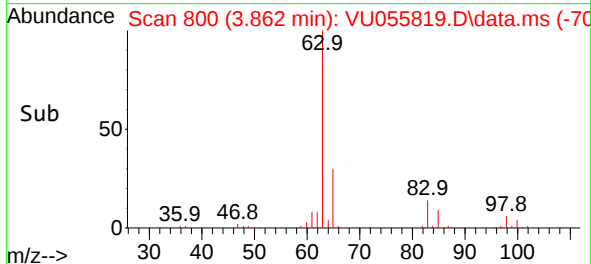
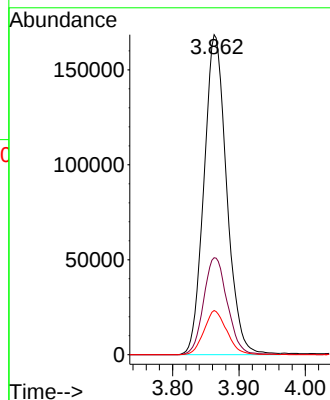
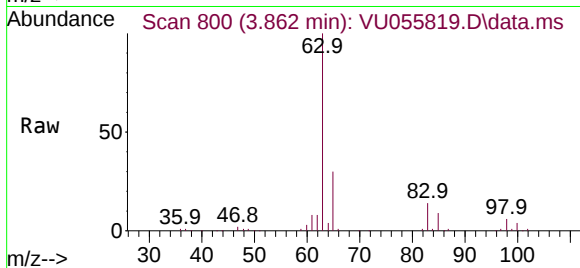
Tgt Ion: 63 Resp: 400489

Ion Ratio Lower Upper

63 100

65 30.3 22.3 41.5

83 13.8 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 52.214 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

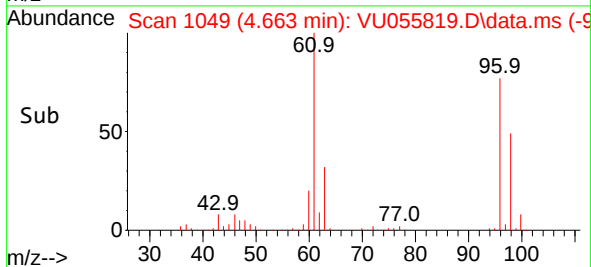
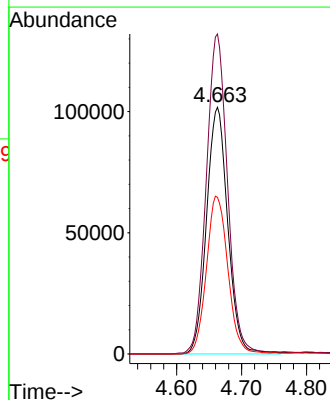
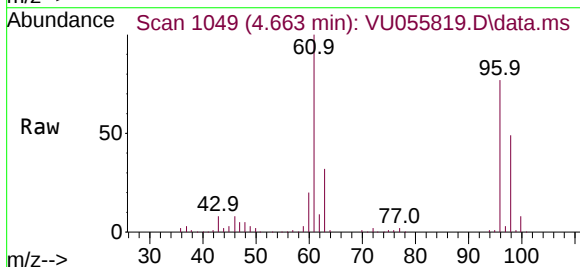
Tgt Ion: 96 Resp: 231495

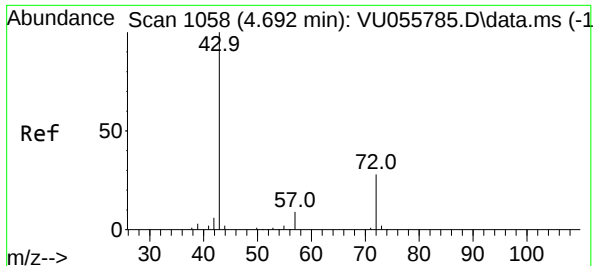
Ion Ratio Lower Upper

96 100

61 129.7 92.3 171.5

98 63.5 43.9 81.5

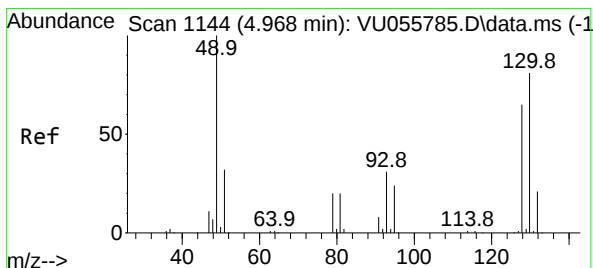
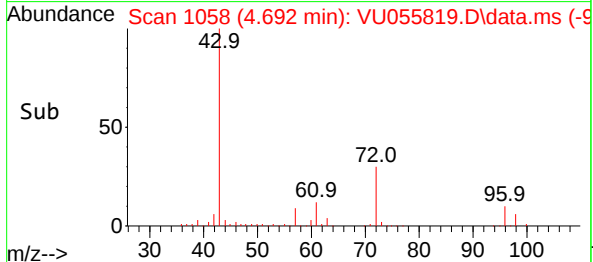
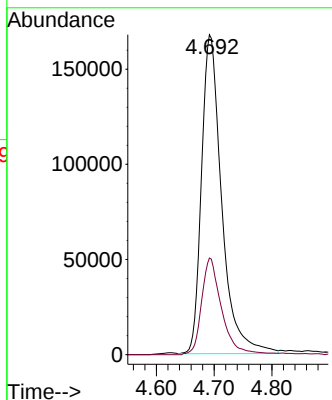
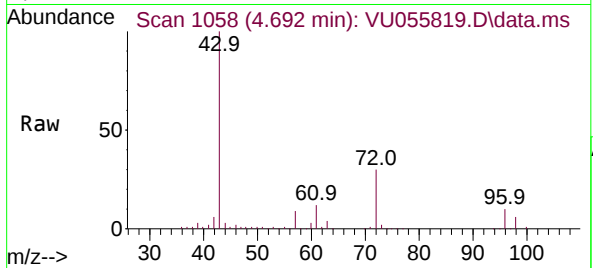




#22
2-Butanone
Concen: 102.288 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

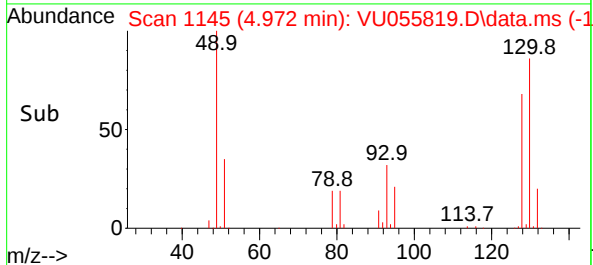
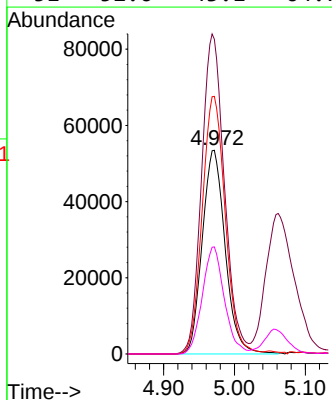
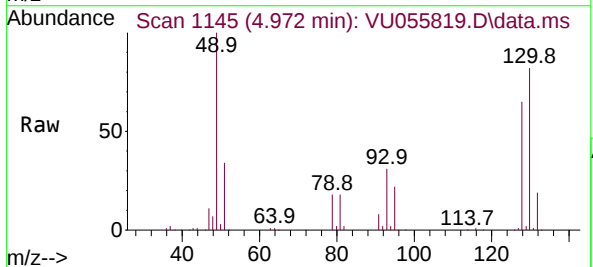
Instrument :
MSVOA_U
ClientSampleId :

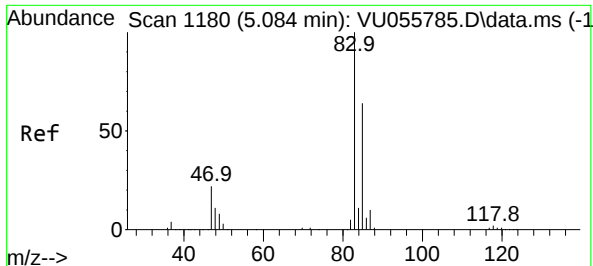
Tgt Ion: 43 Resp: 407482
Ion Ratio Lower Upper
43 100
72 30.0 14.6 44.0



#23
Bromochloromethane
Concen: 52.318 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.003 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion:128 Resp: 120130
Ion Ratio Lower Upper
128 100
49 154.5 116.3 216.1
130 126.5 91.6 170.0
51 52.6 43.1 64.7





#25

Chloroform

Concen: 50.249 ug/L

RT: 5.081 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

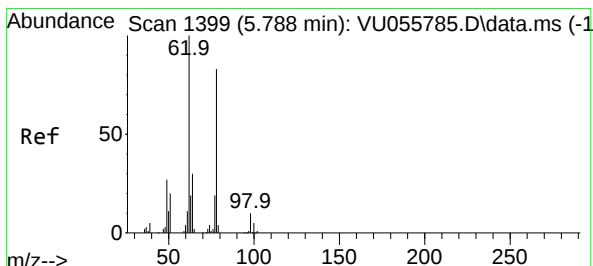
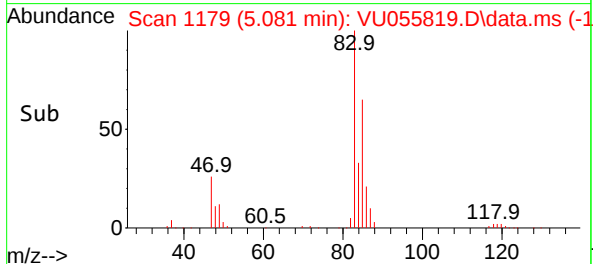
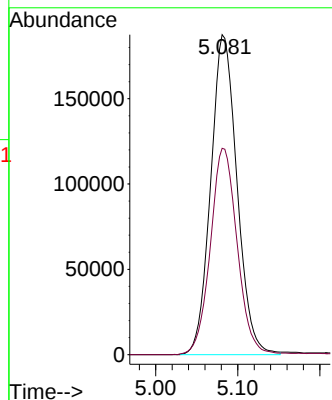
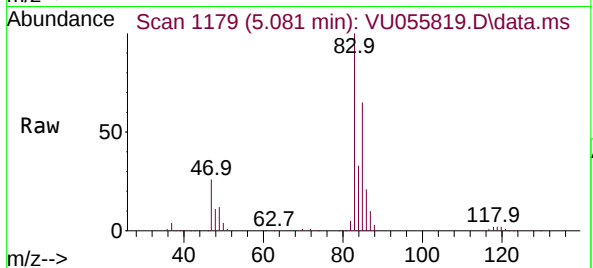
ClientSampleId :

Tgt Ion: 83 Resp: 418177

Ion Ratio Lower Upper

83 100

85 64.5 46.3 86.1



#27

1,2-Dichloroethane

Concen: 49.310 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU055819.D

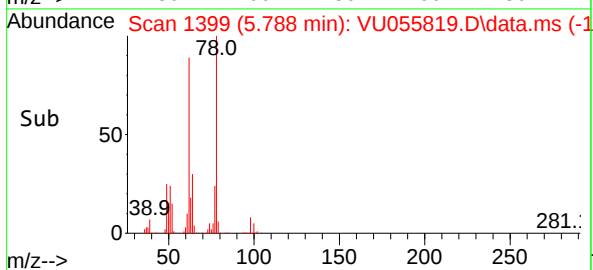
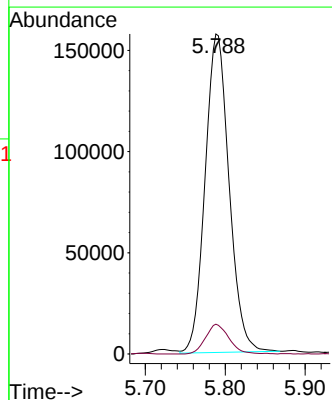
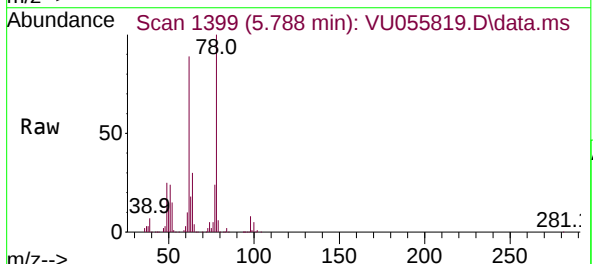
Acq: 20 Oct 2023 09:05

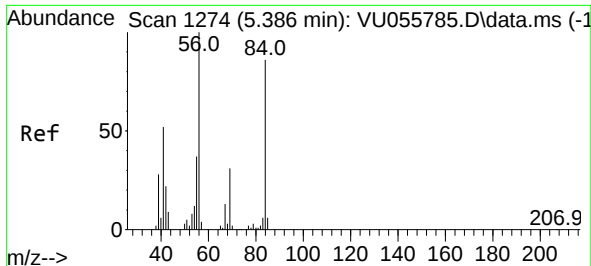
Tgt Ion: 62 Resp: 328212

Ion Ratio Lower Upper

62 100

98 9.3 7.2 10.8





#29

Cyclohexane

Concen: 56.001 ug/L

RT: 5.386 min Scan# 1274

Delta R.T. 0.000 min

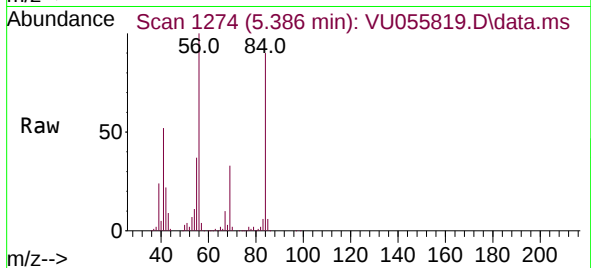
Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :



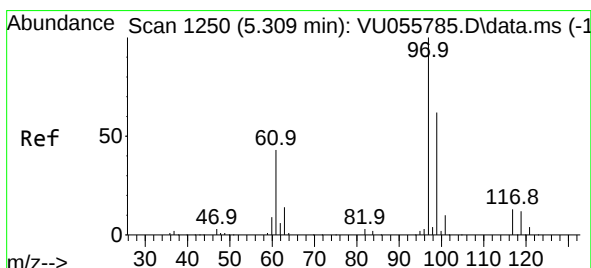
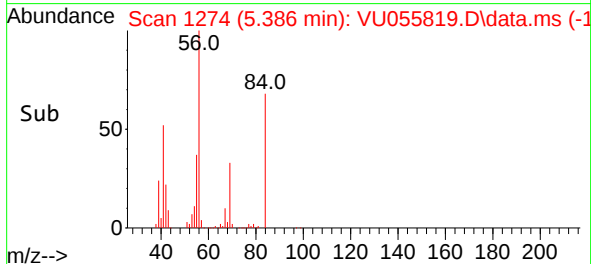
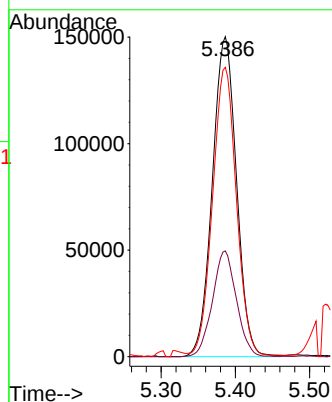
Tgt Ion: 56 Resp: 339728

Ion Ratio Lower Upper

56 100

69 32.8 24.9 37.3

84 88.0 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 53.244 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

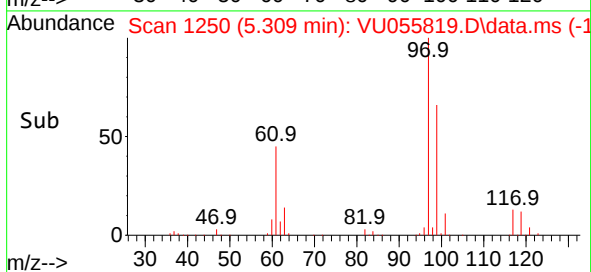
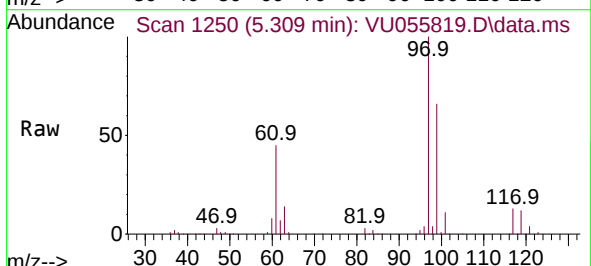
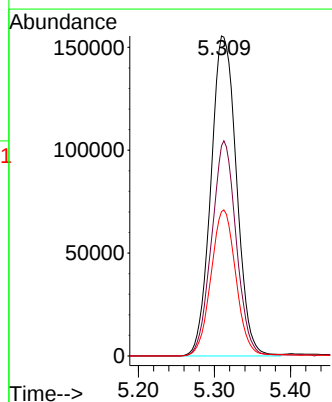
Tgt Ion: 97 Resp: 364070

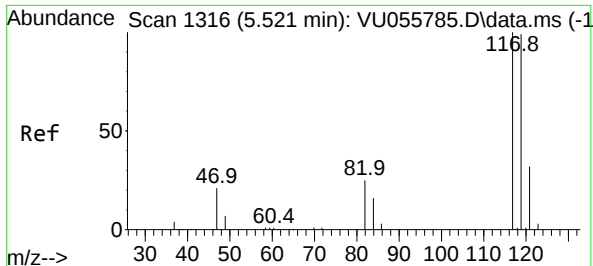
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 44.6 36.8 55.2

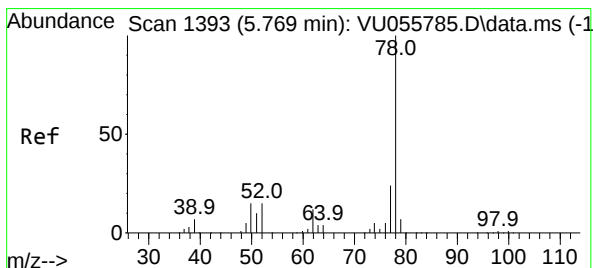
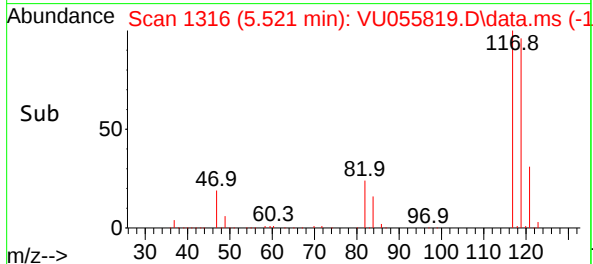
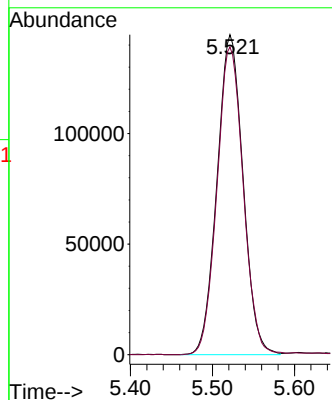
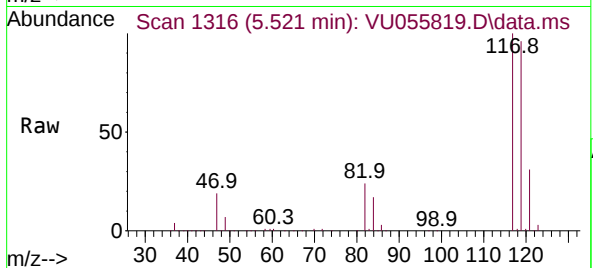




#31
Carbon tetrachloride
Concen: 53.334 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

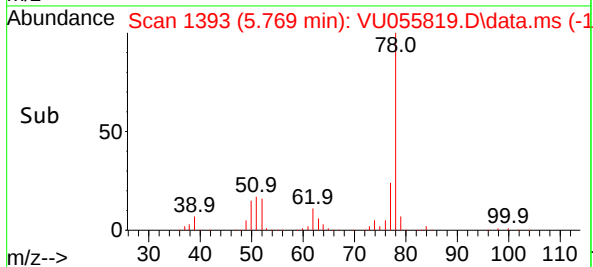
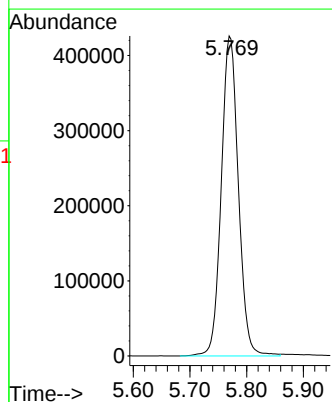
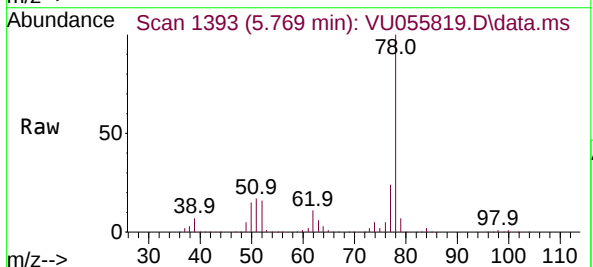
Instrument :
MSVOA_U
ClientSampleId :

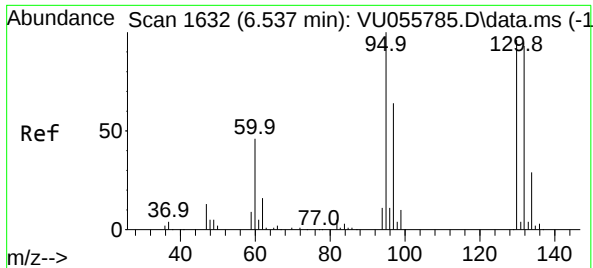
Tgt Ion:117 Resp: 319209
Ion Ratio Lower Upper
117 100
119 96.9 75.4 113.0



#33
Benzene
Concen: 53.333 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

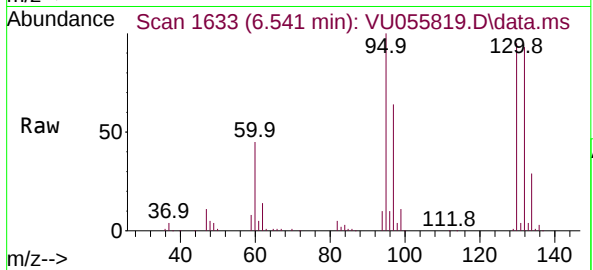
Tgt Ion: 78 Resp: 892271



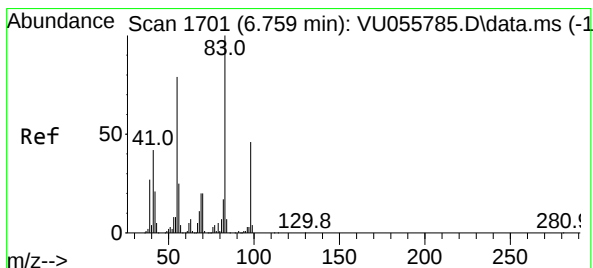
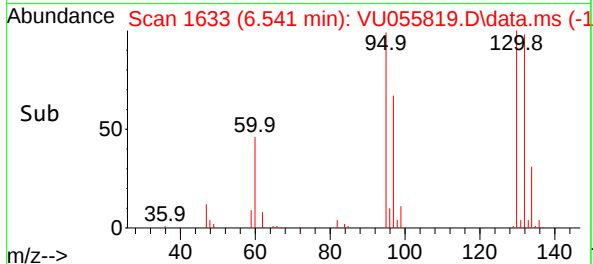
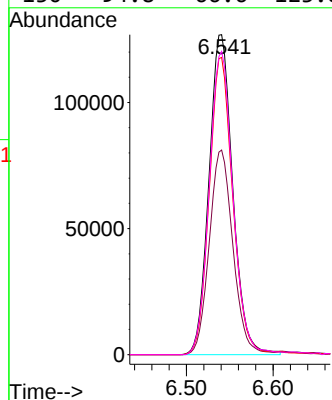


#34
Trichloroethene
Concen: 53.030 ug/L
RT: 6.541 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Instrument :
MSVOA_U
ClientSampleId :

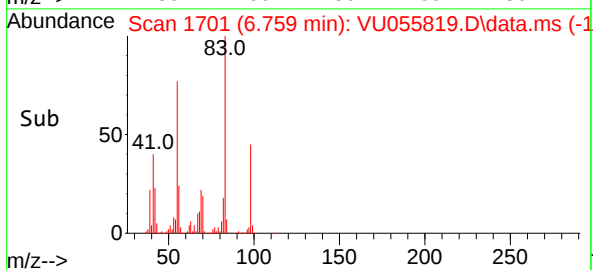
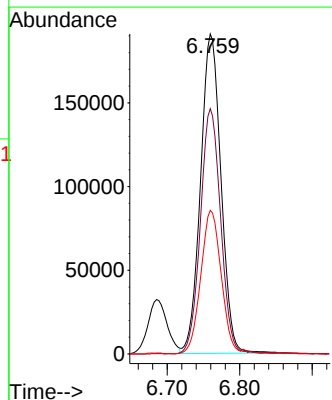
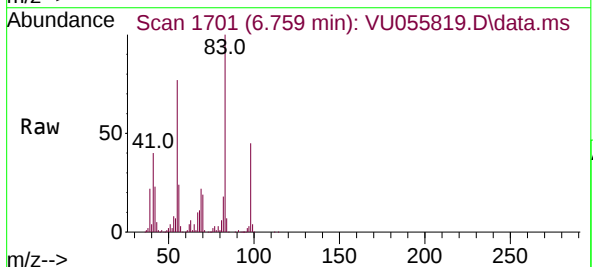


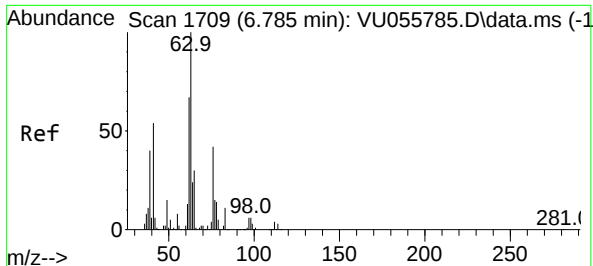
Tgt Ion: 95 Resp: 242754
Ion Ratio Lower Upper
95 100
97 63.9 44.4 82.5
132 92.9 61.8 114.8
130 94.8 66.6 123.8



#35
Methylcyclohexane
Concen: 56.270 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion: 83 Resp: 373731
Ion Ratio Lower Upper
83 100
55 75.9 61.2 91.8
98 44.6 35.8 53.6

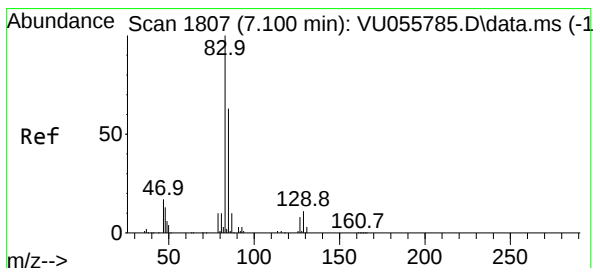
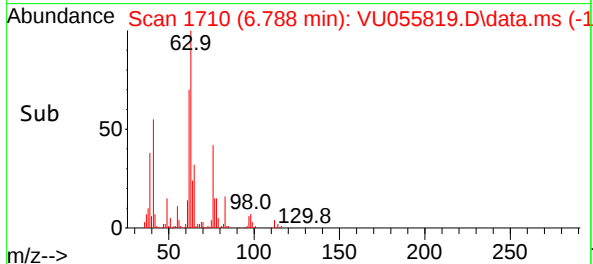
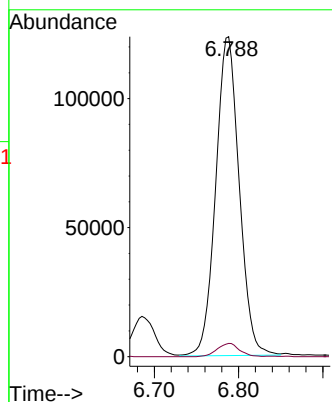
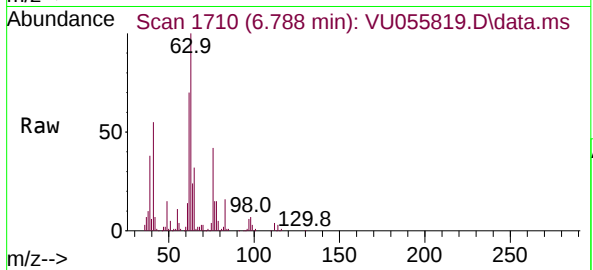




#37
1,2-Dichloropropane
Concen: 51.868 ug/L
RT: 6.788 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

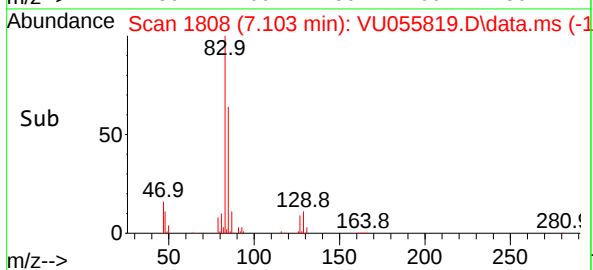
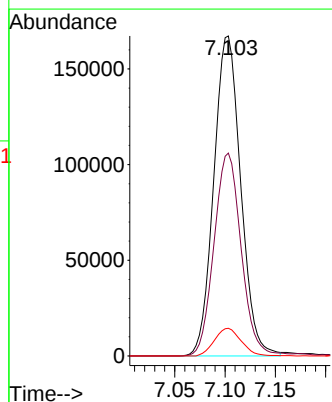
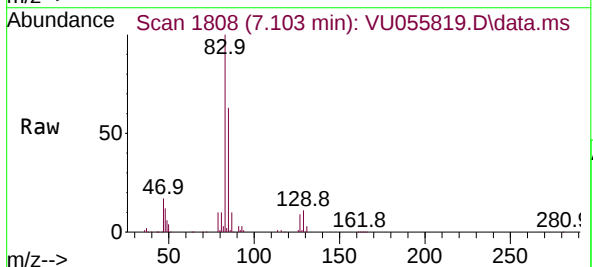
Instrument :
MSVOA_U
ClientSampleId :

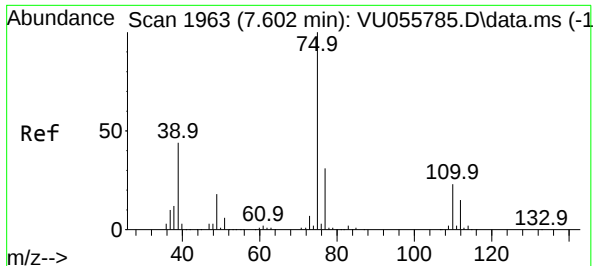
Tgt Ion: 63 Resp: 238949
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.4



#38
Bromodichloromethane
Concen: 51.331 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion: 83 Resp: 311852
Ion Ratio Lower Upper
83 100
85 63.4 46.0 85.4
127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 53.995 ug/L

RT: 7.605 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

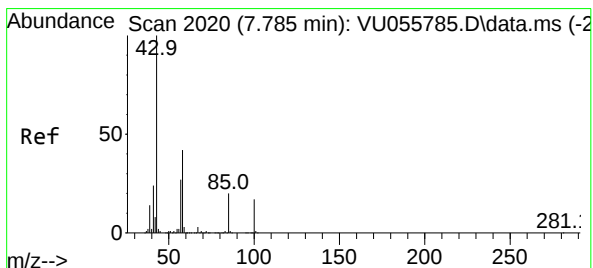
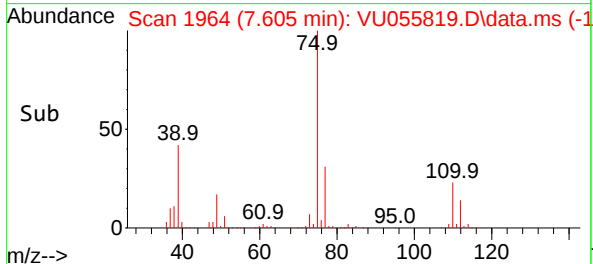
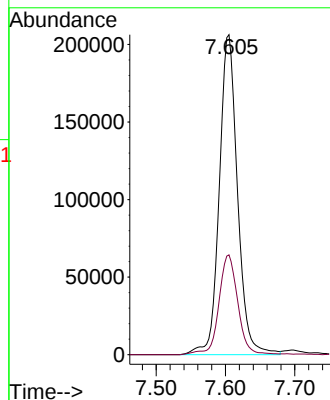
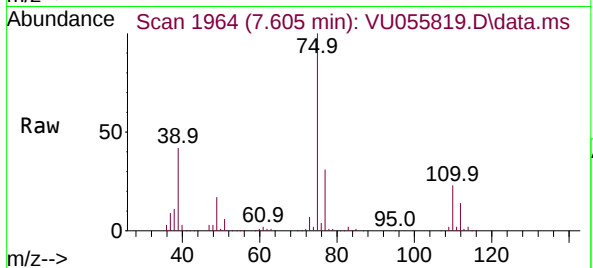
ClientSampleId :

Tgt Ion: 75 Resp: 378442

Ion Ratio Lower Upper

75 100

77 31.2 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 93.009 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

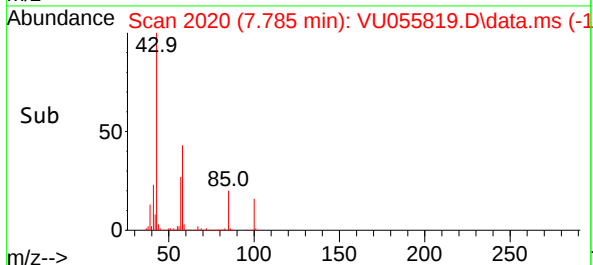
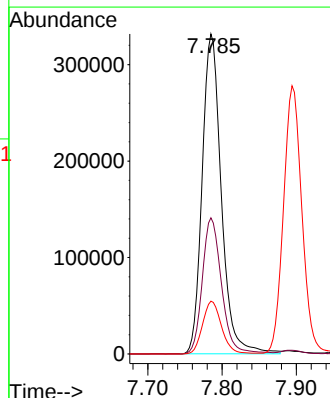
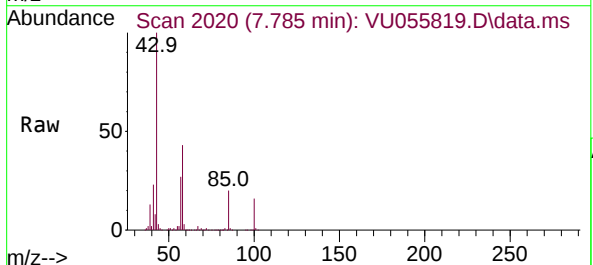
Tgt Ion: 43 Resp: 596101

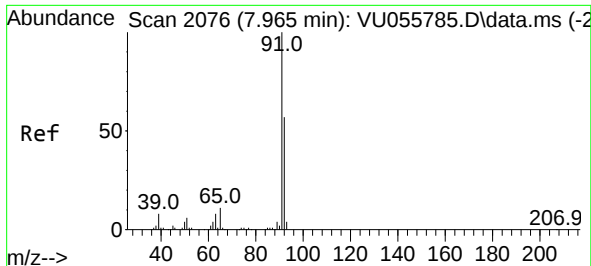
Ion Ratio Lower Upper

43 100

58 42.7 32.3 48.5

100 16.3 12.0 18.0





#42

Toluene

Concen: 53.495 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

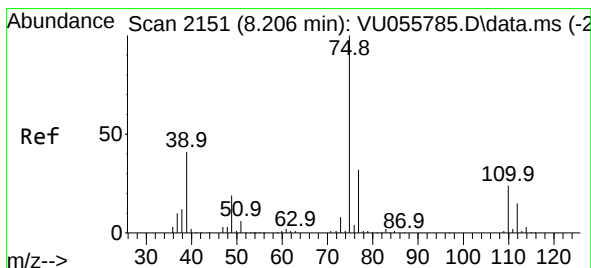
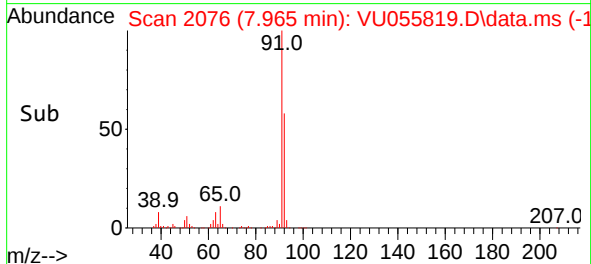
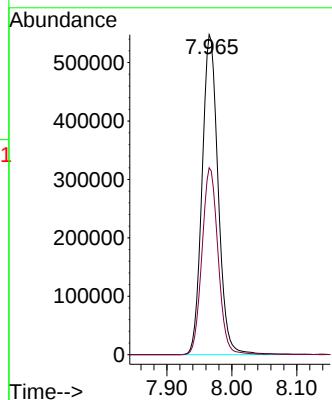
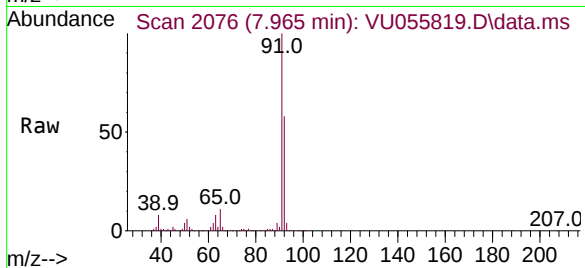
ClientSampleId :

Tgt Ion: 91 Resp: 944367

Ion Ratio Lower Upper

91 100

92 58.4 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 52.408 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU055819.D

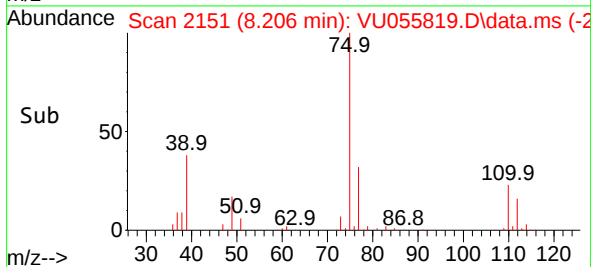
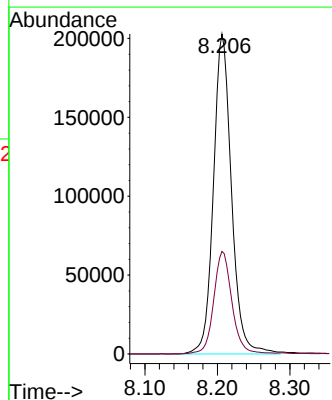
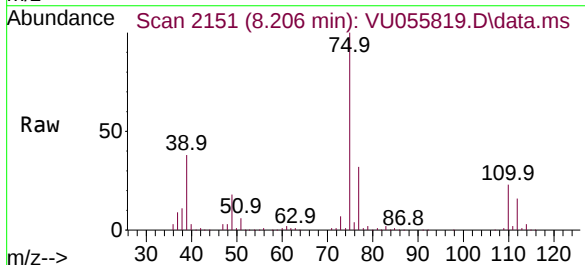
Acq: 20 Oct 2023 09:05

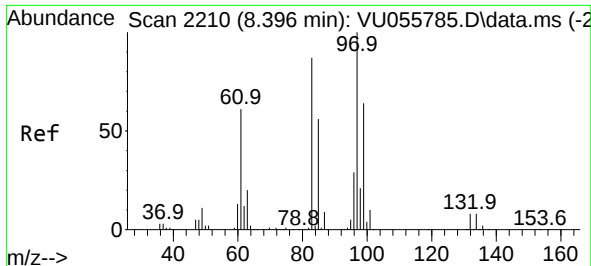
Tgt Ion: 75 Resp: 351453

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 51.468 ug/L

RT: 8.396 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 233801

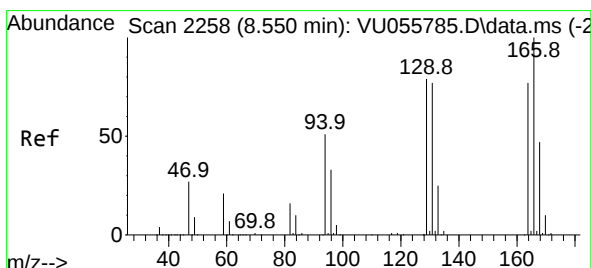
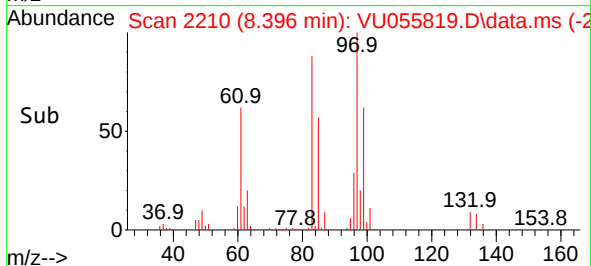
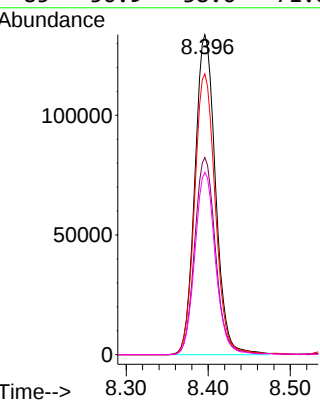
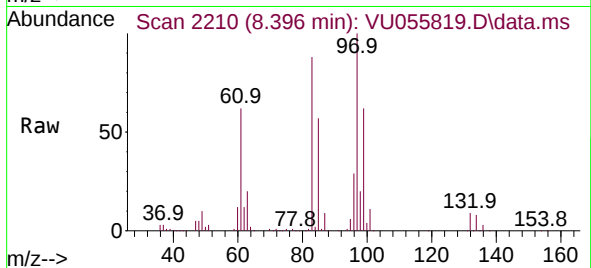
Ion Ratio Lower Upper

97 100

99 61.6 44.4 82.5

83 87.8 60.4 112.2

85 56.9 38.6 71.8



#46

Tetrachloroethene

Concen: 53.450 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Tgt Ion:164 Resp: 175183

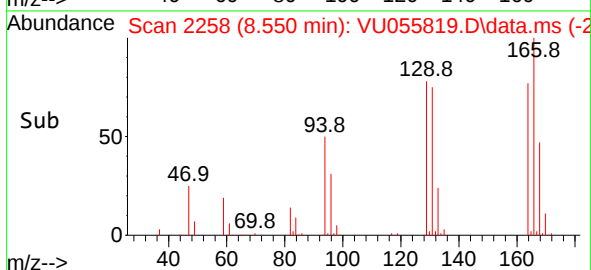
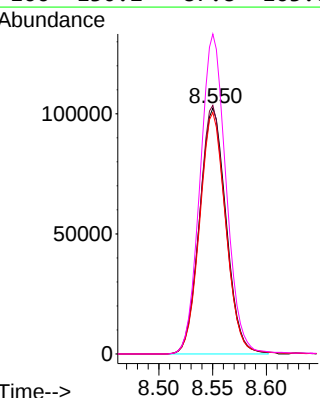
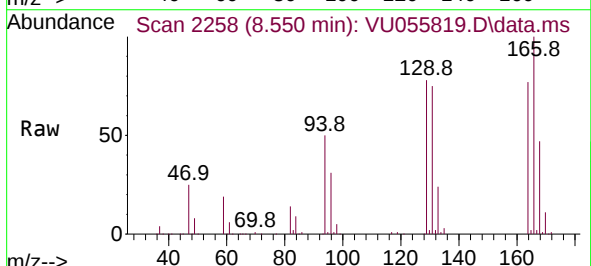
Ion Ratio Lower Upper

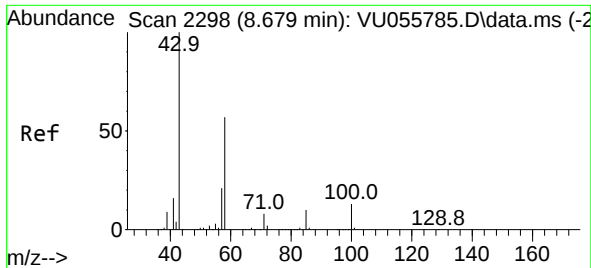
164 100

129 101.2 70.7 131.3

131 98.3 65.9 122.5

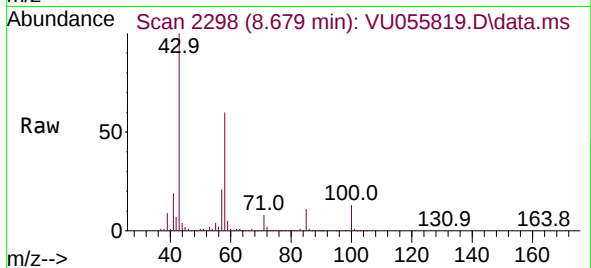
166 130.2 87.8 163.0



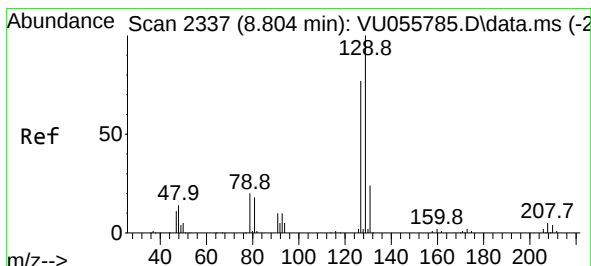
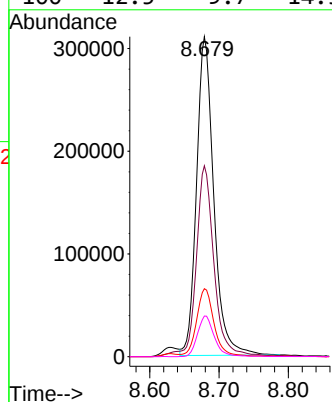
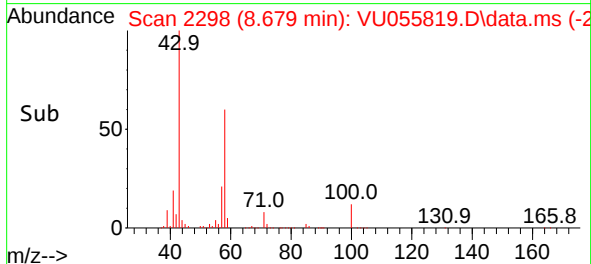


#48
2-Hexanone
Concen: 99.411 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Instrument :
MSVOA_U
ClientSampleId :

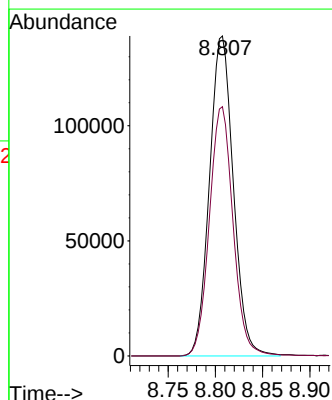
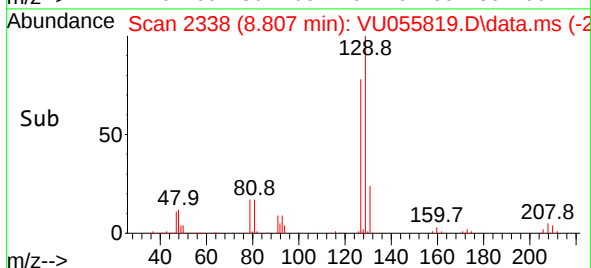
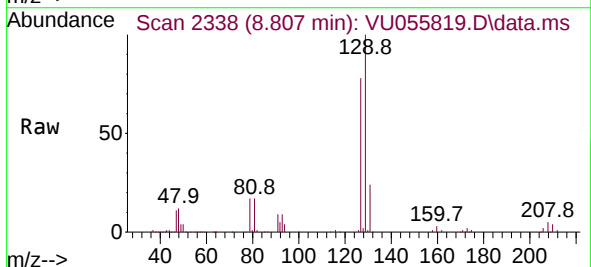


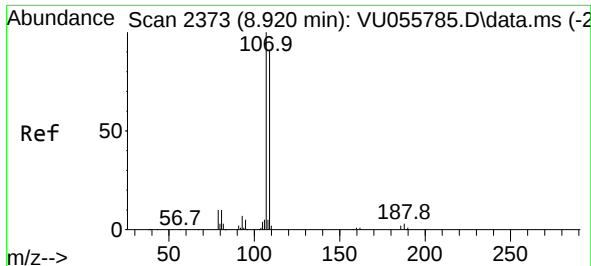
Tgt Ion: 43 Resp: 538159
Ion Ratio Lower Upper
43 100
58 61.6 45.2 67.8
57 21.2 16.1 24.1
100 12.5 9.7 14.5



#49
Dibromochloromethane
Concen: 52.617 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion: 129 Resp: 244223
Ion Ratio Lower Upper
129 100
127 77.9 54.0 100.4





#50

1,2-Dibromoethane

Concen: 50.745 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :

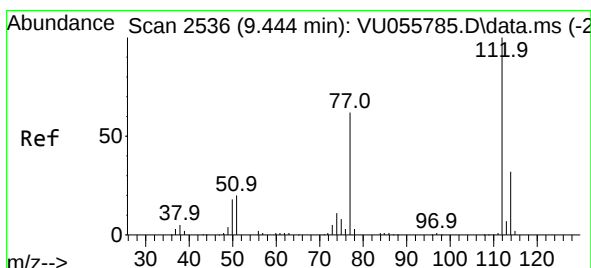
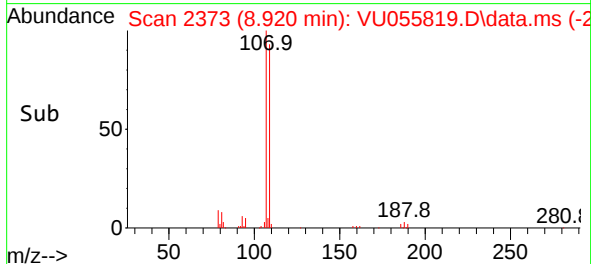
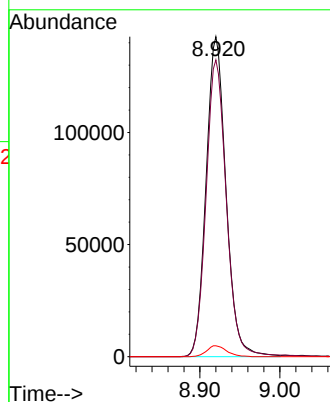
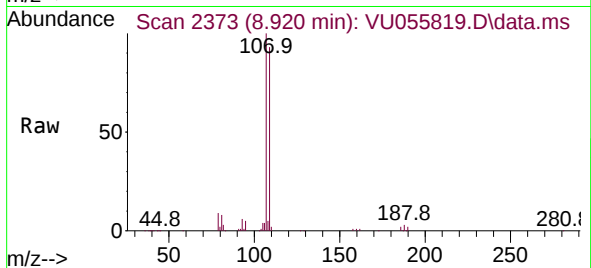
Tgt Ion:107 Resp: 247594

Ion Ratio Lower Upper

107 100

109 92.7 66.7 123.9

188 3.4 2.6 4.0



#51

Chlorobenzene

Concen: 52.044 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

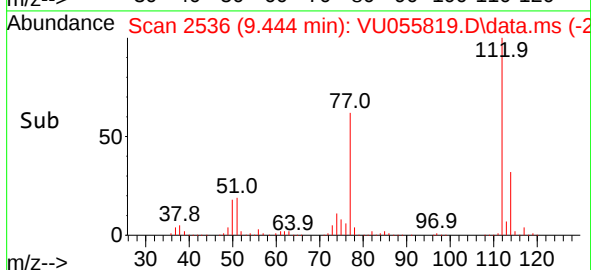
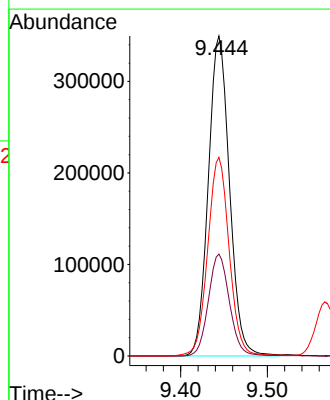
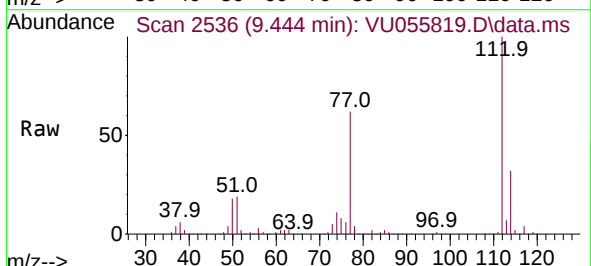
Tgt Ion:112 Resp: 594442

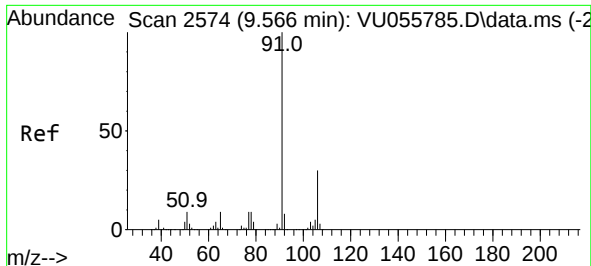
Ion Ratio Lower Upper

112 100

114 31.9 22.0 40.8

77 62.1 49.0 73.6

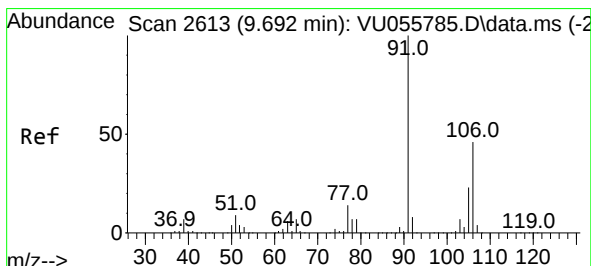
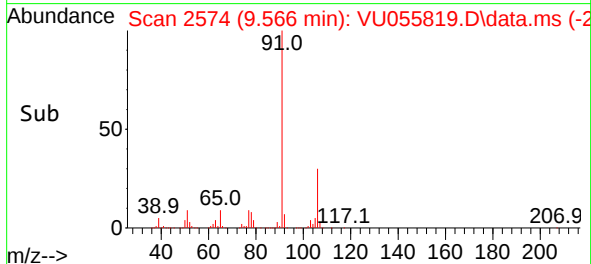
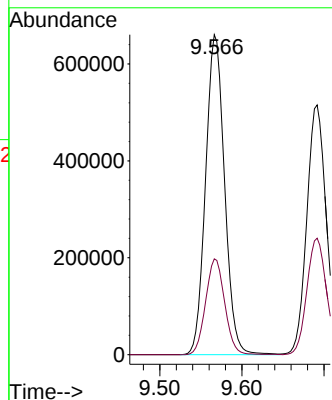
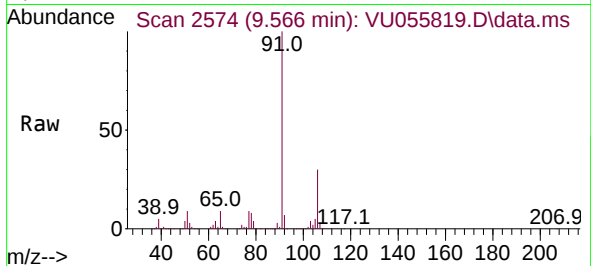




#52
Ethylbenzene
Concen: 54.947 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

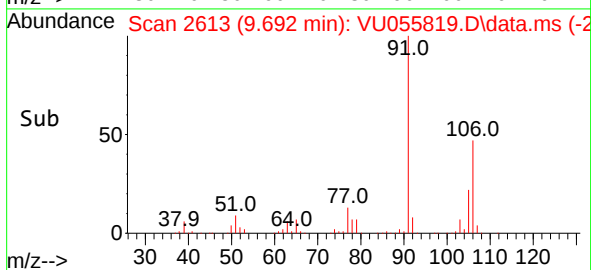
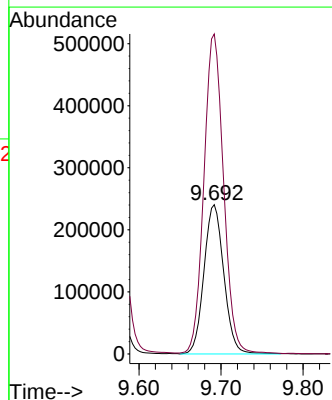
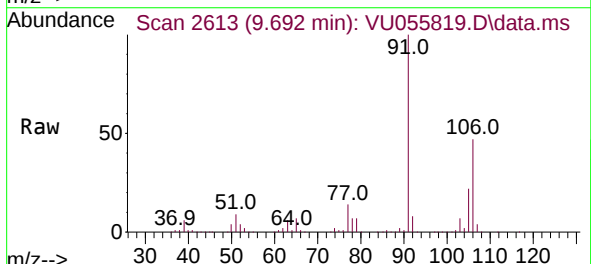
Instrument :
MSVOA_U
ClientSampleId :

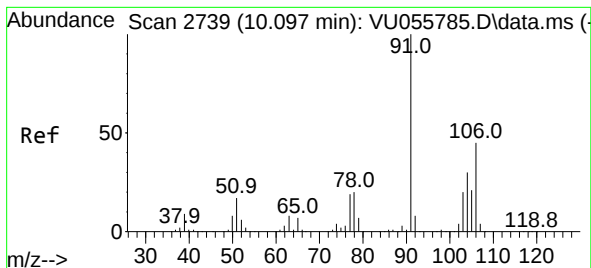
Tgt Ion: 91 Resp: 1060475
Ion Ratio Lower Upper
91 100
106 30.0 21.2 39.4



#53
m,p-Xylene
Concen: 55.944 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion: 106 Resp: 404507
Ion Ratio Lower Upper
106 100
91 214.3 143.8 267.0





#54

o-Xylene

Concen: 55.735 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

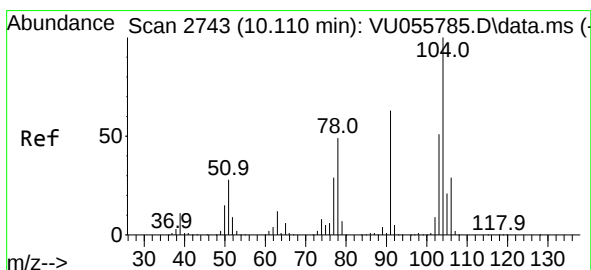
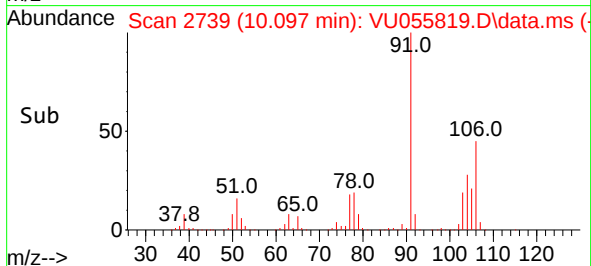
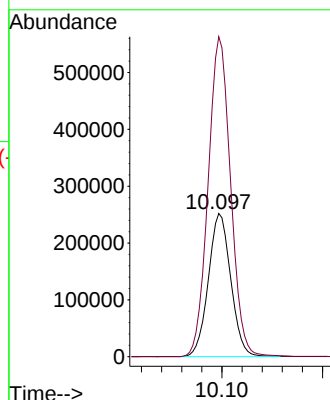
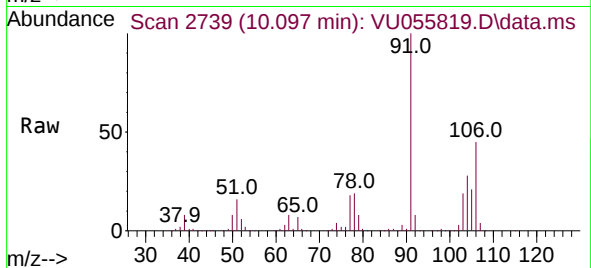
ClientSampleId :

Tgt Ion:106 Resp: 389980

Ion Ratio Lower Upper

106 100

91 223.4 151.8 282.0



#55

Styrene

Concen: 57.085 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU055819.D

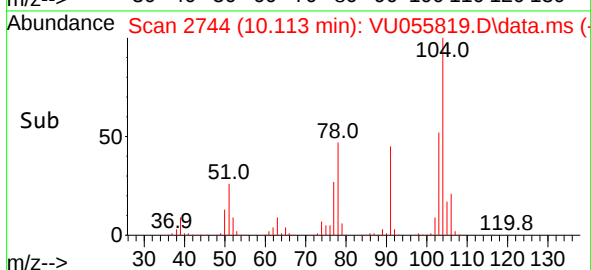
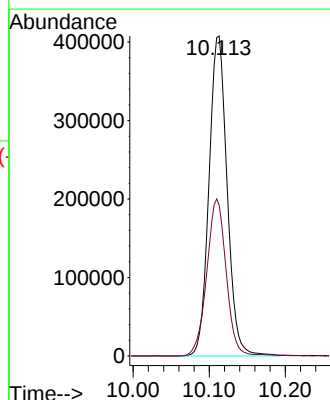
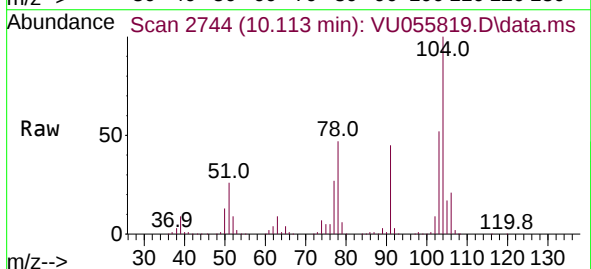
Acq: 20 Oct 2023 09:05

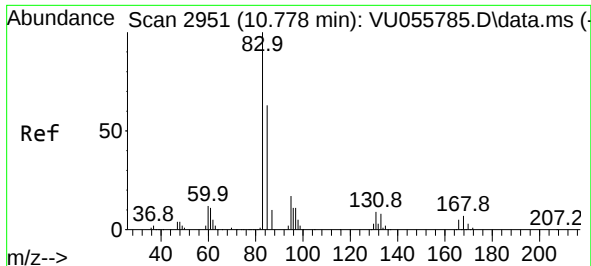
Tgt Ion:104 Resp: 676641

Ion Ratio Lower Upper

104 100

78 47.2 33.6 62.4

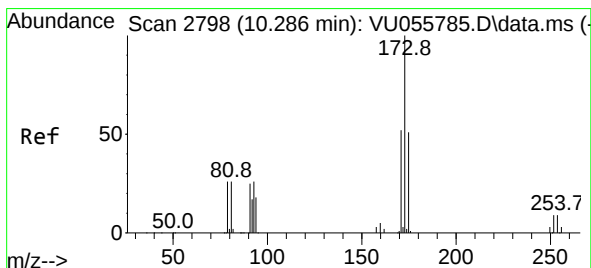
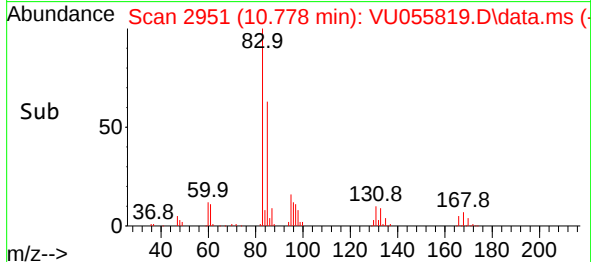
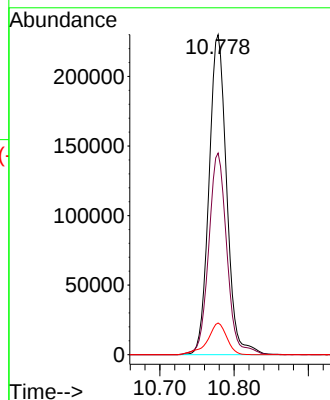
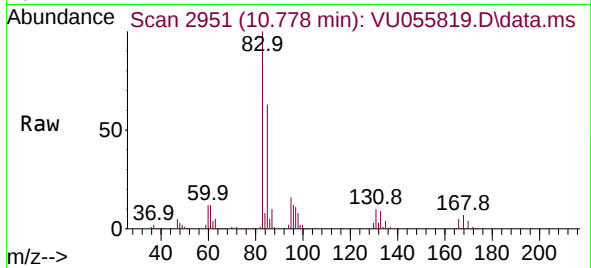




#57
1,1,2,2-Tetrachloroethane
Concen: 48.682 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

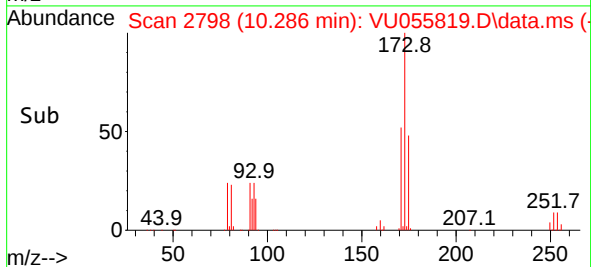
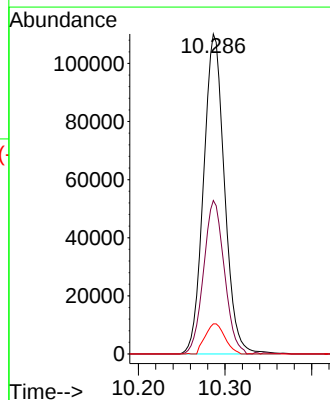
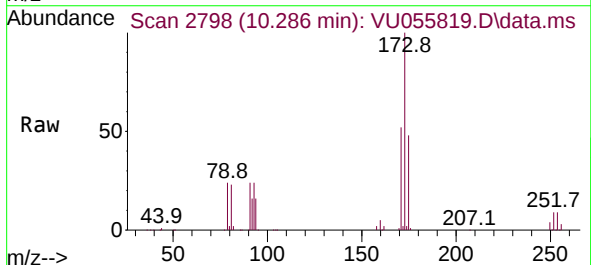
Instrument :
MSVOA_U
ClientSampleId :

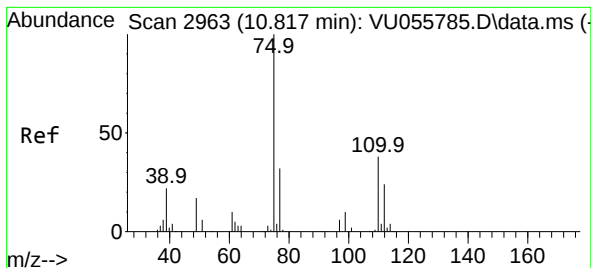
Tgt Ion: 83 Resp: 378666
Ion Ratio Lower Upper
83 100
85 63.0 44.9 83.5
131 9.9 7.3 10.9



#59
Bromoform
Concen: 50.941 ug/L
RT: 10.286 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU055819.D
Acq: 20 Oct 2023 09:05

Tgt Ion:173 Resp: 184682
Ion Ratio Lower Upper
173 100
175 47.5 40.4 60.6
254 8.8 7.3 10.9





#60

1,2,3-Trichloropropane

Concen: 47.480 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :

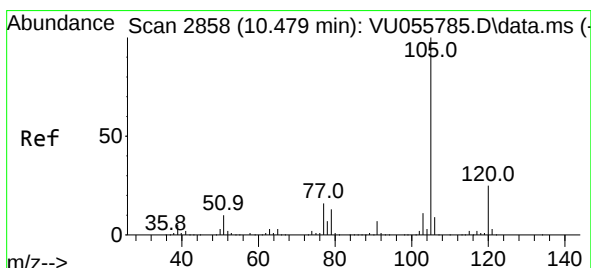
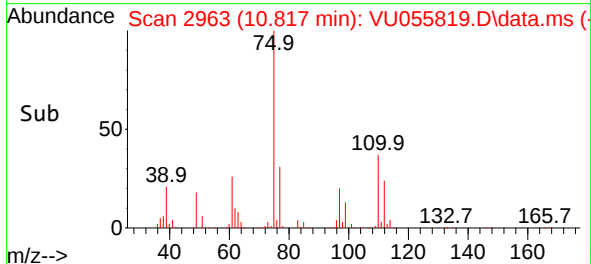
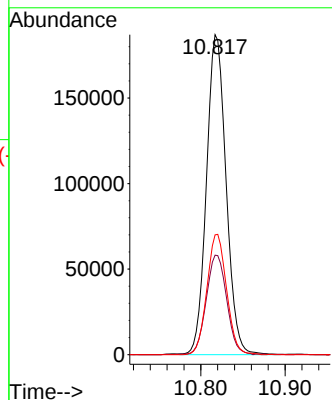
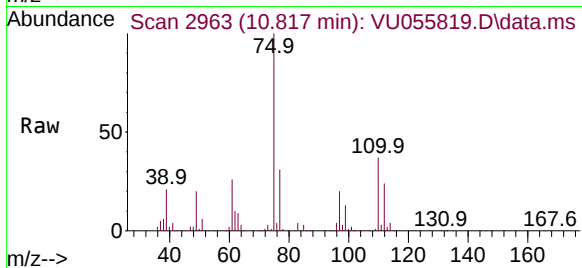
Tgt Ion: 75 Resp: 303476

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8

110 37.6 28.5 42.7



#61

Isopropylbenzene

Concen: 57.512 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. 0.003 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

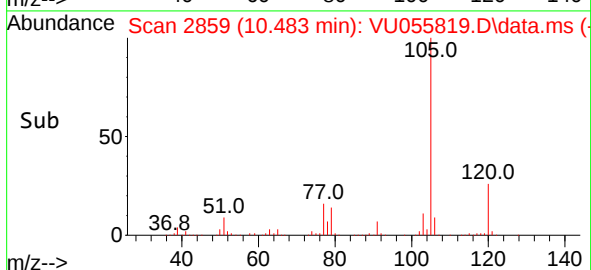
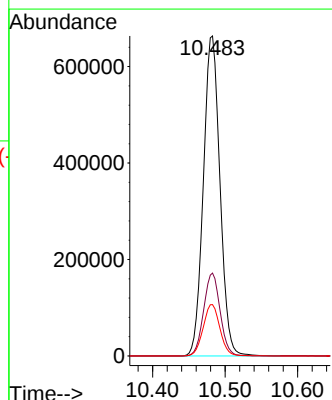
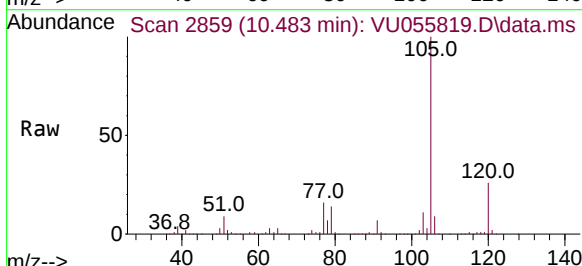
Tgt Ion:105 Resp: 1055914

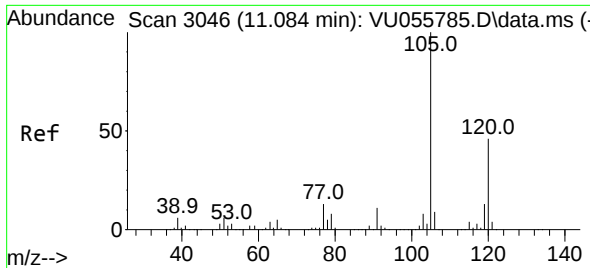
Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

77 16.2 13.4 20.0

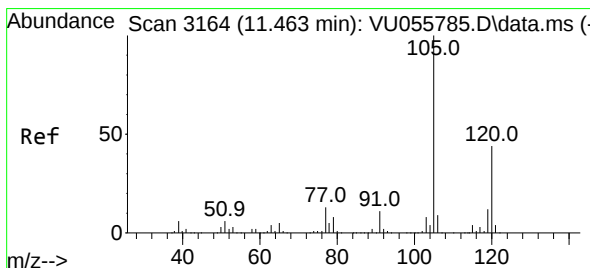
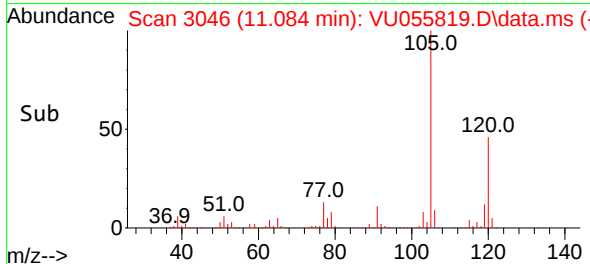
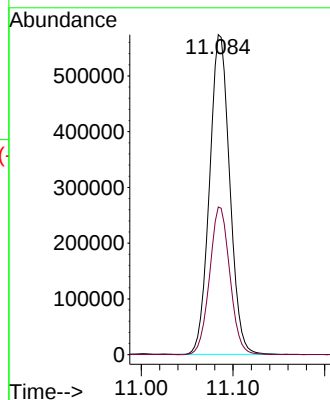
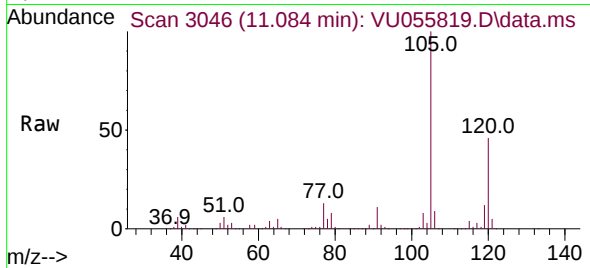




#62
 1,3,5-Trimethylbenzene
 Concen: 59.002 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

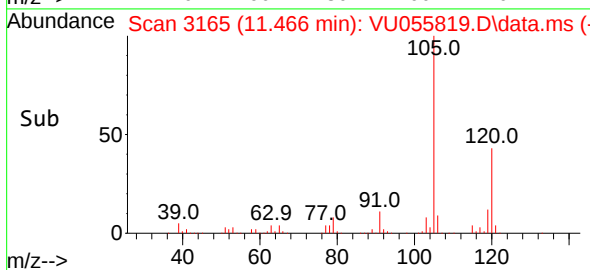
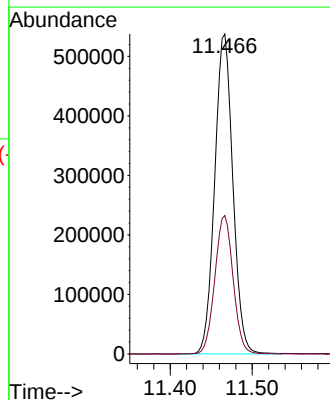
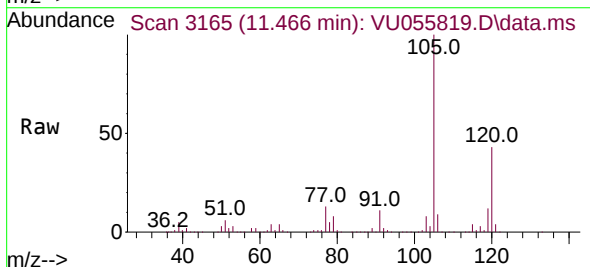
Instrument :
 MSVOA_U
 ClientSampleId :

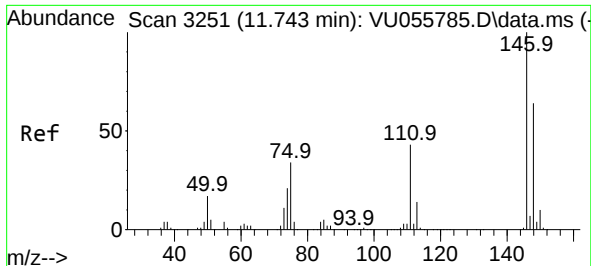
Tgt Ion:105 Resp: 876531
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.7 56.5



#63
 1,2,4-Trimethylbenzene
 Concen: 56.252 ug/L
 RT: 11.466 min Scan# 3165
 Delta R.T. 0.003 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

Tgt Ion:105 Resp: 826337
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 54.373 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.000 min

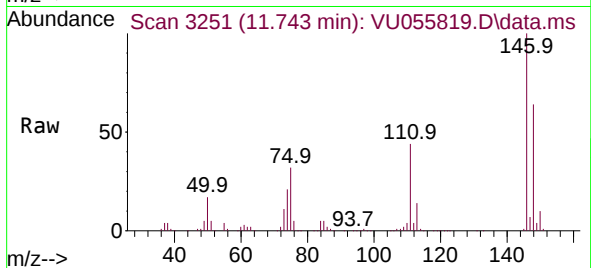
Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :



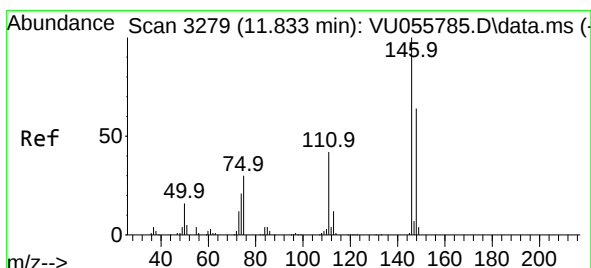
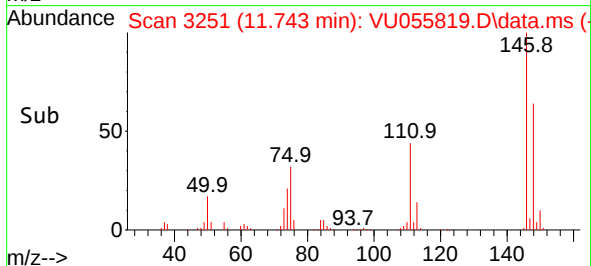
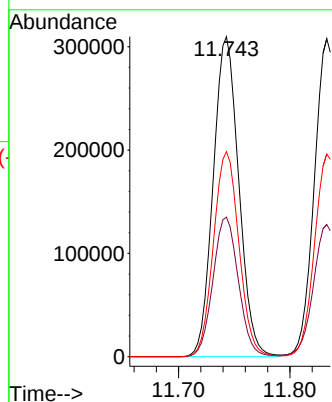
Tgt Ion:146 Resp: 493489

Ion Ratio Lower Upper

146 100

111 43.6 29.7 55.1

148 64.1 45.0 83.6



#65

1,4-Dichlorobenzene

Concen: 52.811 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

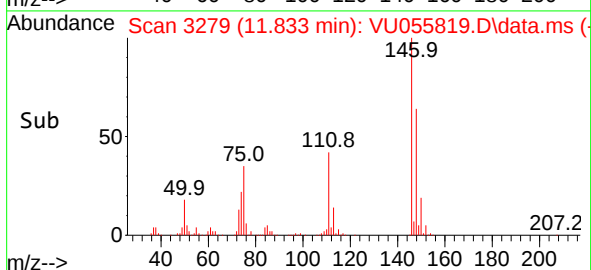
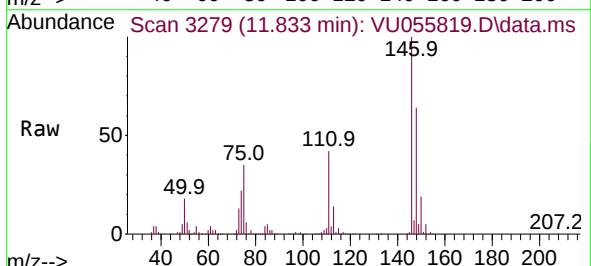
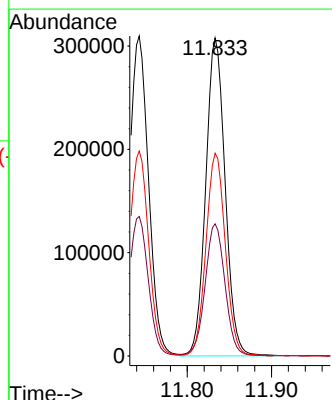
Tgt Ion:146 Resp: 492796

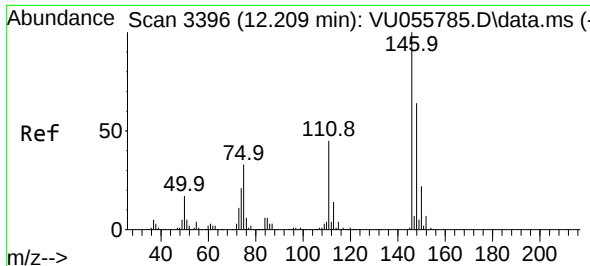
Ion Ratio Lower Upper

146 100

111 41.5 28.6 53.0

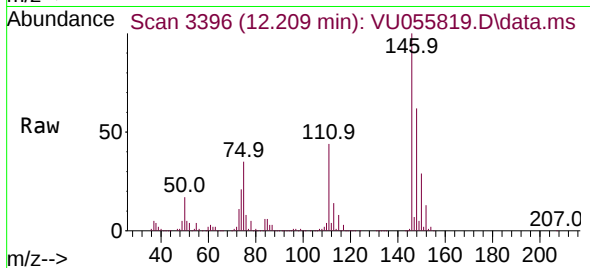
148 63.7 44.2 82.0



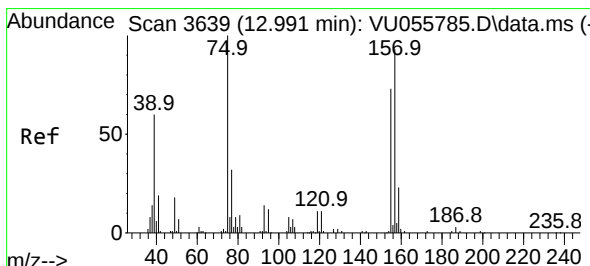
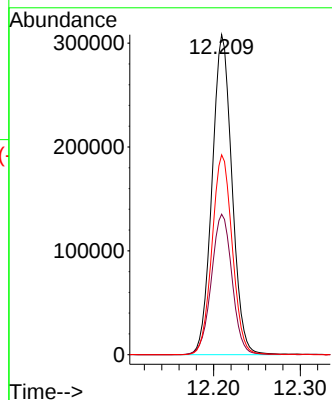
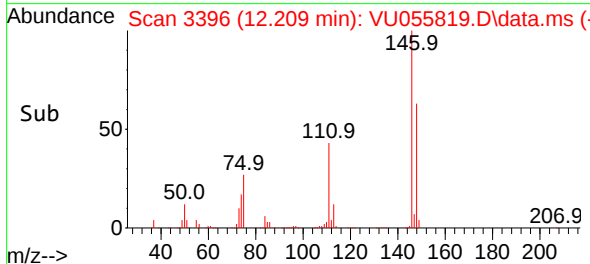


#67
 1,2-Dichlorobenzene
 Concen: 54.641 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

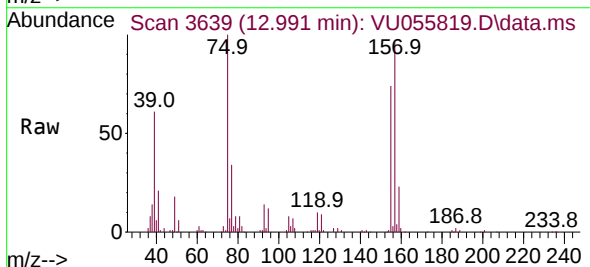
Instrument :
 MSVOA_U
 ClientSampleId :



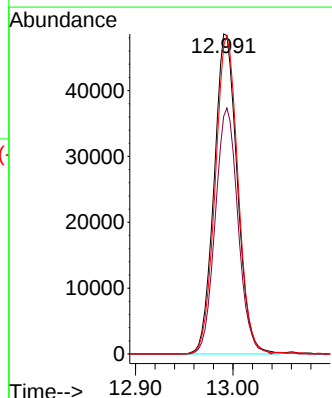
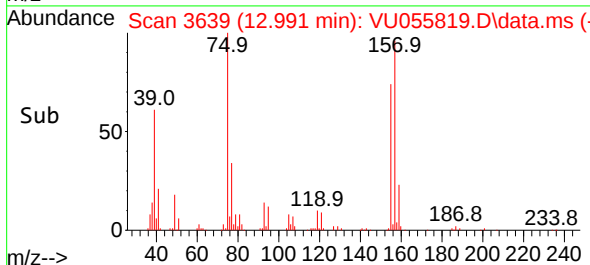
Tgt Ion:146 Resp: 492137
 Ion Ratio Lower Upper
 146 100
 111 43.9 35.2 52.8
 148 62.5 52.3 78.5

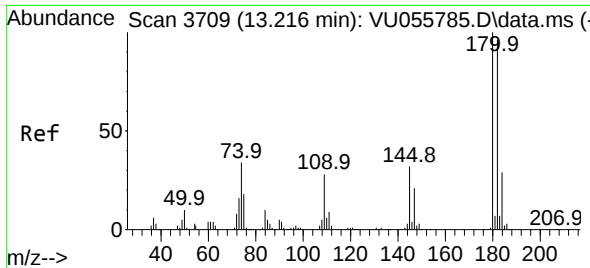


#68
 1,2-Dibromo-3-chloropropane
 Concen: 42.008 ug/L
 RT: 12.991 min Scan# 3639
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05



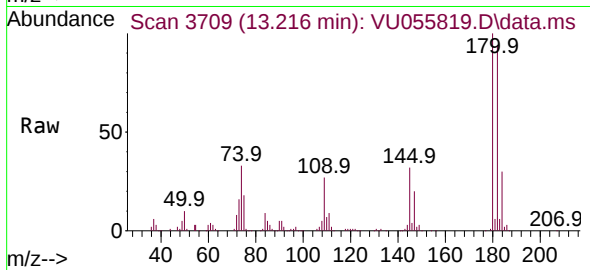
Tgt Ion: 75 Resp: 80271
 Ion Ratio Lower Upper
 75 100
 155 74.3 59.6 89.4
 157 100.6 77.7 116.5



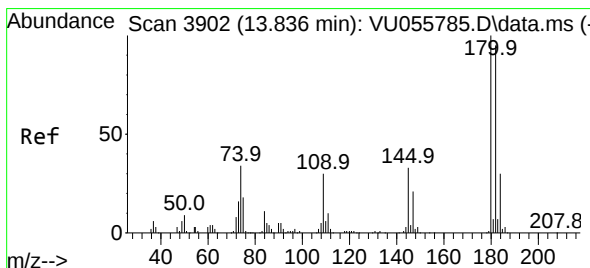
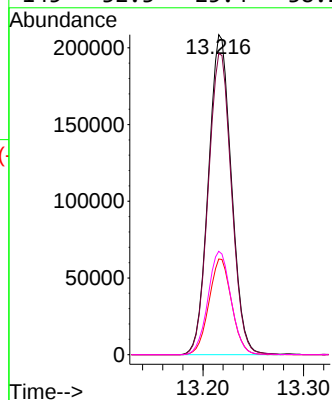
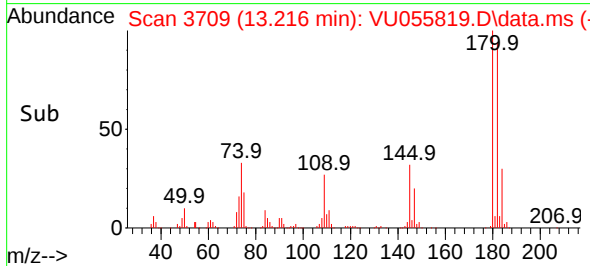


#69
 1,3,5-Trichlorobenzene
 Concen: 54.590 ug/L
 RT: 13.216 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05

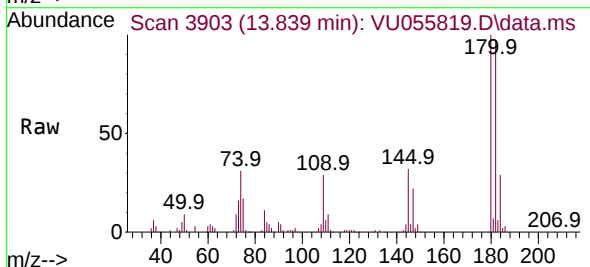
Instrument :
 MSVOA_U
 ClientSampleId :



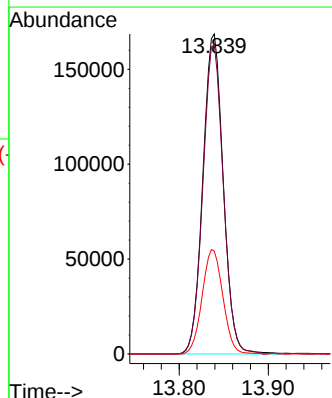
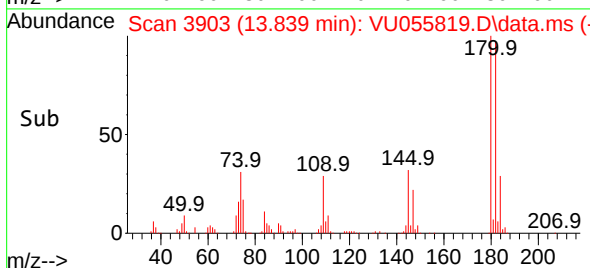
Tgt Ion:180 Resp: 330483
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.2 114.2
 184 29.5 23.9 35.9
 145 32.3 25.4 38.2

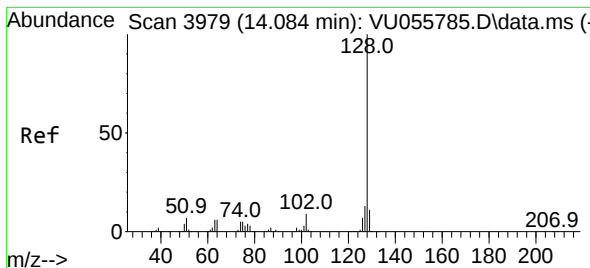


#70
 1,2,4-trichlorobenzene
 Concen: 53.135 ug/L
 RT: 13.839 min Scan# 3903
 Delta R.T. 0.003 min
 Lab File: VU055819.D
 Acq: 20 Oct 2023 09:05



Tgt Ion:180 Resp: 267938
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.4 113.2
 145 33.1 26.1 39.1





#71

Naphthalene

Concen: 47.727 ug/L

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Instrument :

MSVOA_U

ClientSampleId :

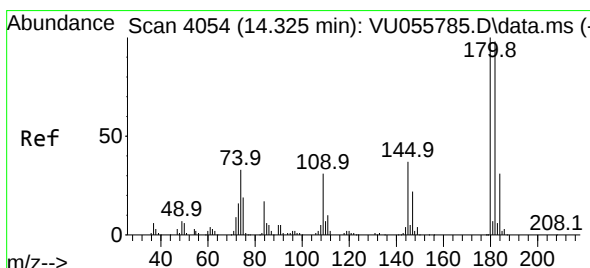
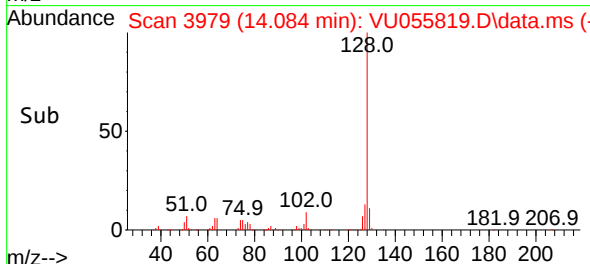
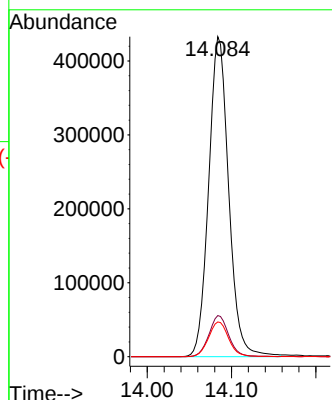
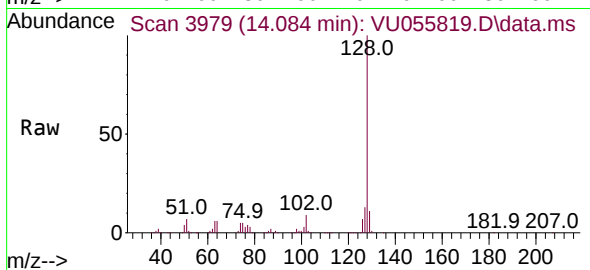
Tgt Ion:128 Resp: 714912

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.9 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 51.691 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU055819.D

Acq: 20 Oct 2023 09:05

Tgt Ion:180 Resp: 256993

Ion Ratio Lower Upper

180 100

182 95.8 78.1 117.1

145 35.1 27.4 41.0

