

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
 Data File : VU055823.D
 Acq On : 20 Oct 2023 11:09
 Operator : MD/SY
 Sample : 04947-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E45J1

Quant Time: Oct 23 01:05:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

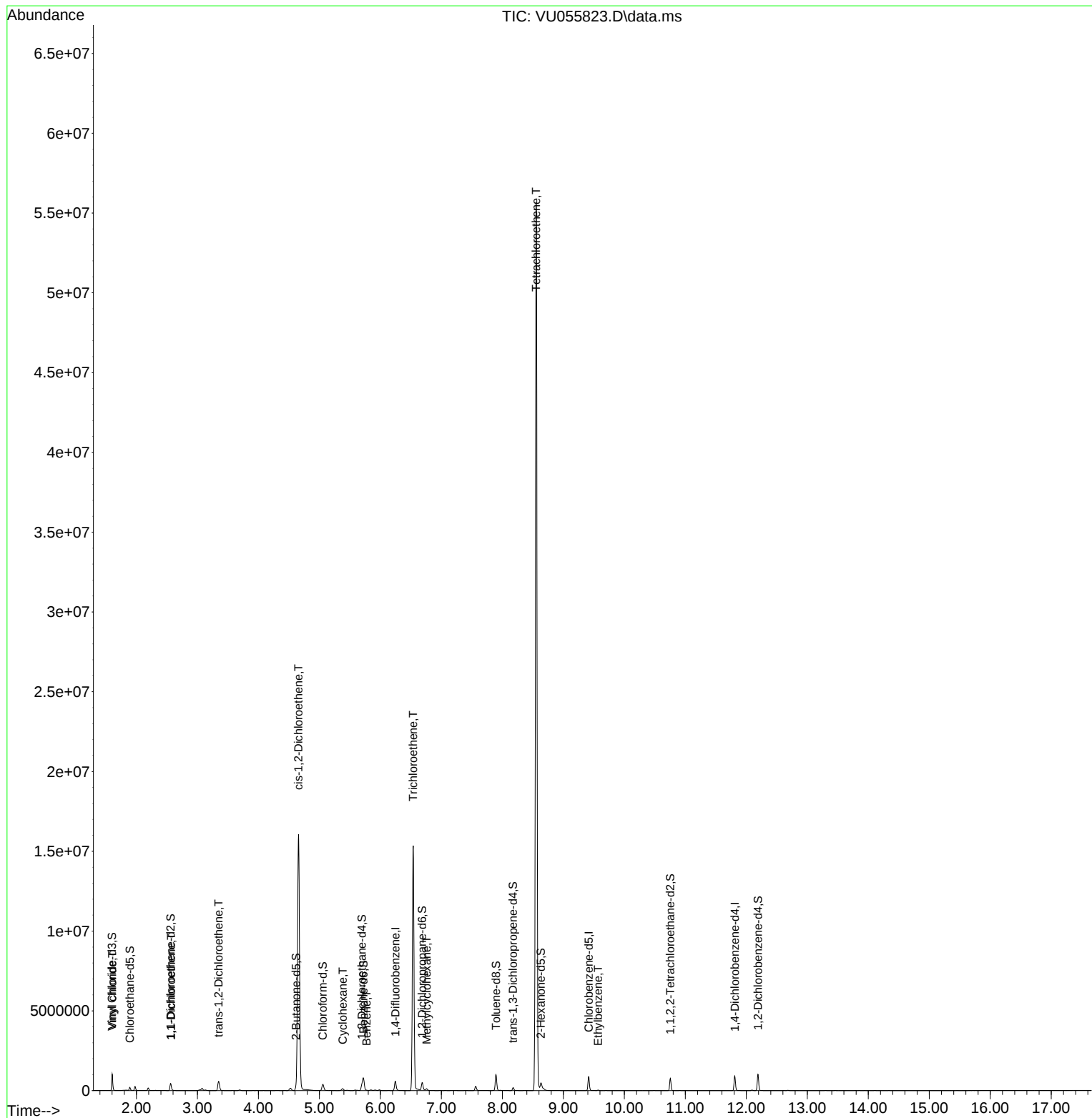
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	478922	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	488519	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	244047	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	191544	44.589	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.180%		
7) Chloroethane-d5	1.891	69	158760	45.212	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.420%		
11) 1,1-Dichloroethene-d2	2.560	63	269101	35.133	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.260%		
21) 2-Butanone-d5	4.615	46	267635	84.081	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.080%		
24) Chloroform-d	5.055	84	379062	46.029	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.060%		
26) 1,2-Dichloroethane-d4	5.695	65	245721	48.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.960%		
32) Benzene-d6	5.721	84	761529	48.721	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.440%		
36) 1,2-Dichloropropane-d6	6.685	67	240421	48.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.180%		
41) Toluene-d8	7.894	98	677649	48.013	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.020%		
43) trans-1,3-Dichloroprop...	8.174	79	107076	45.047	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.100%		
47) 2-Hexanone-d5	8.631	63	141900	72.945	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	72.950%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	383488	50.349	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.700%		
66) 1,2-Dichlorobenzene-d4	12.190	152	268594	55.461	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	110.920%		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	581003	139.917	ug/L	97
12) 1,1-Dichloroethene	2.567	96	9822	2.893	ug/L #	1
17) trans-1,2-Dichloroethene	3.345	96	210911	60.749	ug/L	95
20) cis-1,2-Dichloroethene	4.657	96	8443630	2130.912	ug/L	99
29) Cyclohexane	5.383	56	59522	10.630	ug/L	96
33) Benzene	5.772	78	14249	0.923	ug/L	100
34) Trichloroethene	6.538	95	5428160	1284.671	ug/L	98
35) Methylcyclohexane	6.759	83	44704	7.292	ug/L	91
46) Tetrachloroethene	8.554	164	12354383	4083.809	ug/L	95
52) Ethylbenzene	9.570	91	24471	1.374	ug/L	94

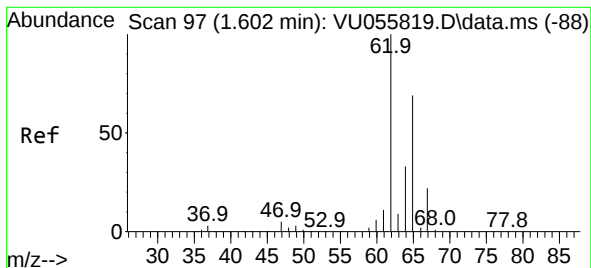
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Mon Oct 23 01:04:15 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 139.917 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055823.D

Acq: 20 Oct 2023 11:09

Instrument :

MSVOA_U

ClientSampleId :

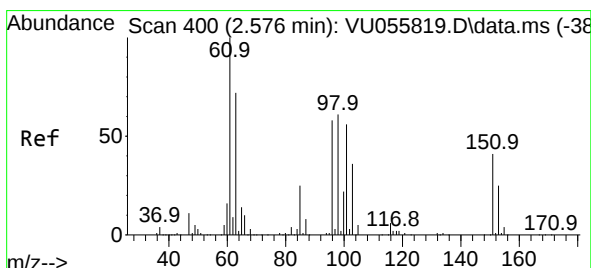
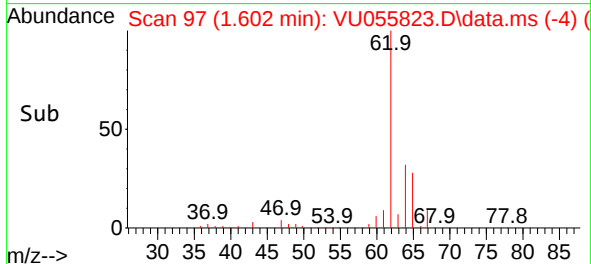
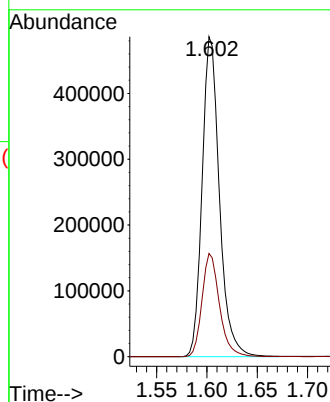
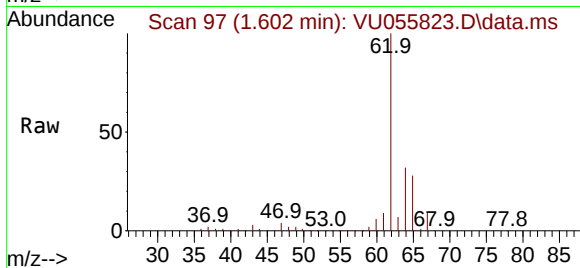
E45J1

Tgt Ion: 62 Resp: 581003

Ion Ratio Lower Upper

62 100

64 32.3 23.9 44.5



#12

1,1-Dichloroethene

Concen: 2.893 ug/L

RT: 2.567 min Scan# 397

Delta R.T. -0.010 min

Lab File: VU055823.D

Acq: 20 Oct 2023 11:09

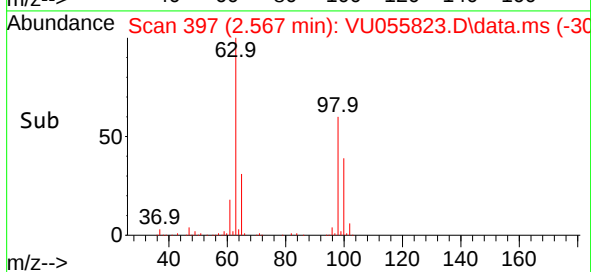
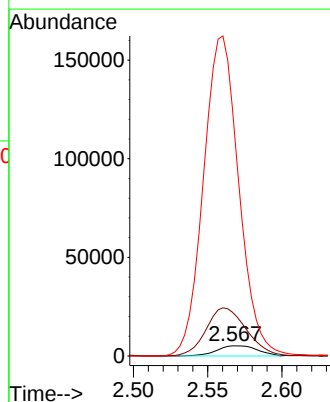
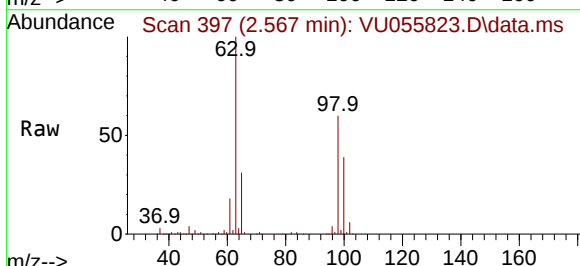
Tgt Ion: 96 Resp: 9822

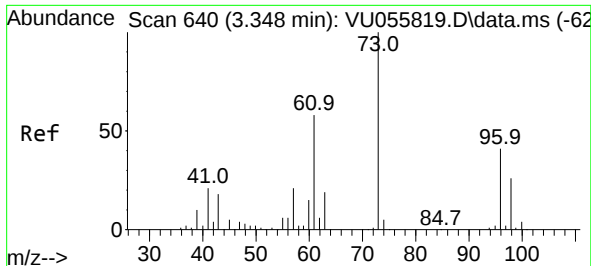
Ion Ratio Lower Upper

96 100

61 434.4 122.0 226.6#

63 2459.5 93.7 174.1#

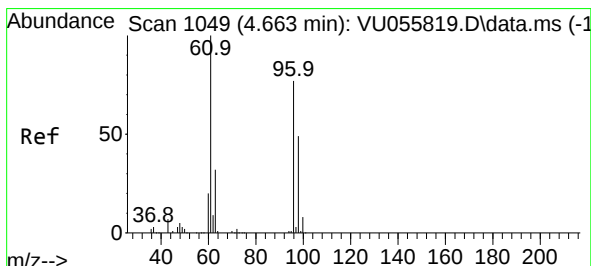
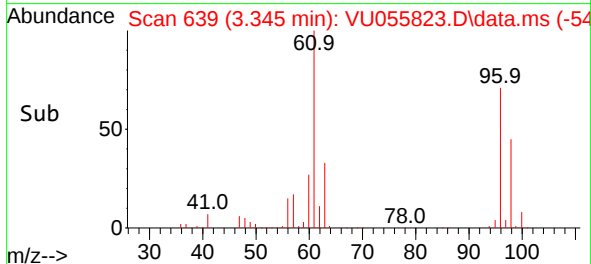
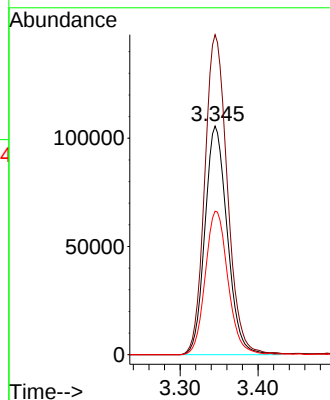
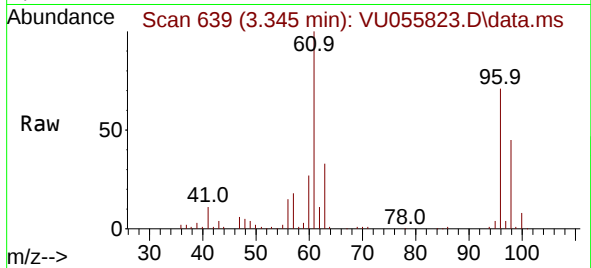




#17
trans-1,2-Dichloroethene
Concen: 60.749 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU055823.D
Acq: 20 Oct 2023 11:09

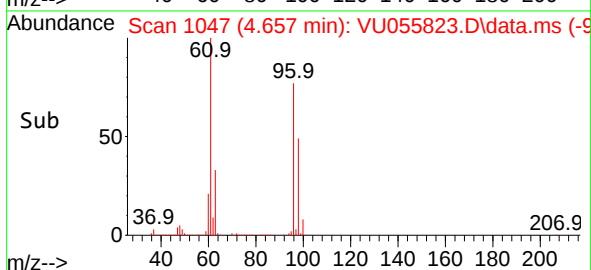
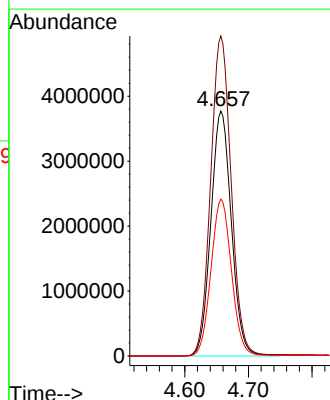
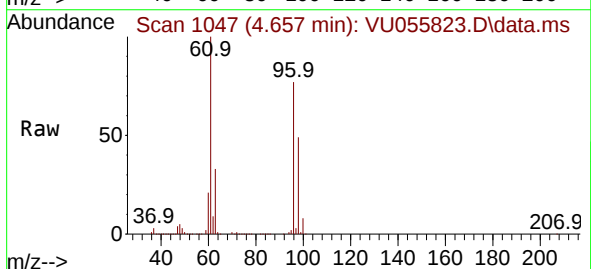
Instrument :
MSVOA_U
ClientSampleId :
E45J1

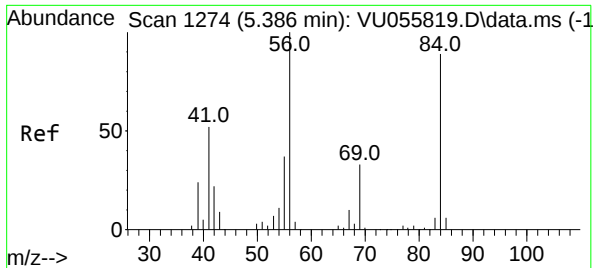
Tgt Ion: 96 Resp: 210911
Ion Ratio Lower Upper
96 100
61 140.0 102.1 189.7
98 62.8 46.3 86.1



#20
cis-1,2-Dichloroethene
Concen: 2130.912 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.006 min
Lab File: VU055823.D
Acq: 20 Oct 2023 11:09

Tgt Ion: 96 Resp: 8443630
Ion Ratio Lower Upper
96 100
61 130.6 92.3 171.5
98 64.0 43.9 81.5

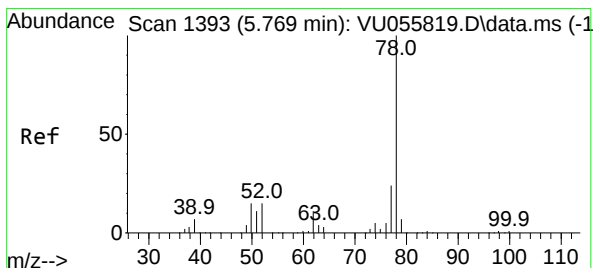
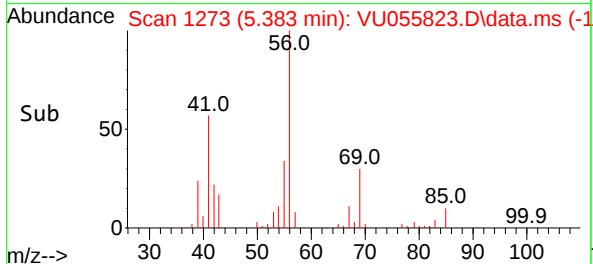
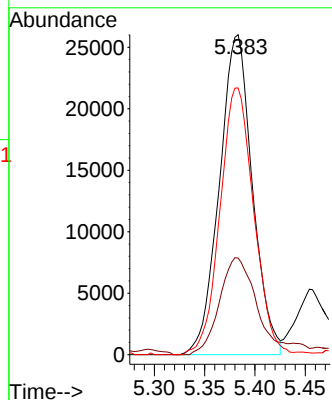
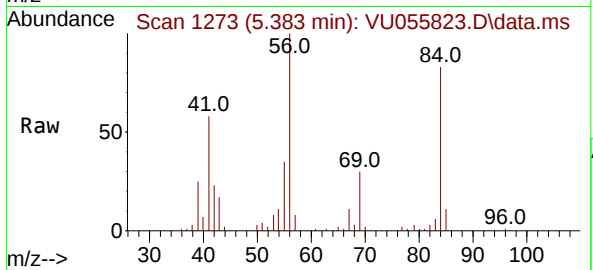




#29
Cyclohexane
Concen: 10.630 ug/L
RT: 5.383 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU055823.D
Acq: 20 Oct 2023 11:09

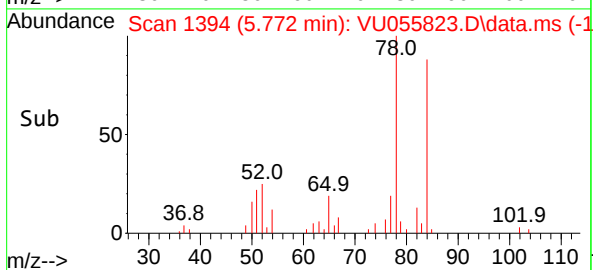
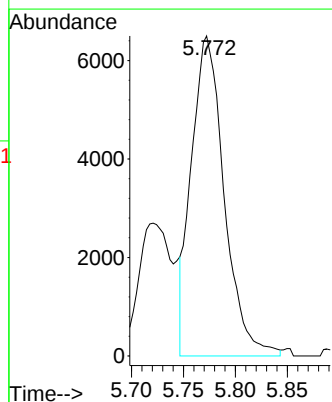
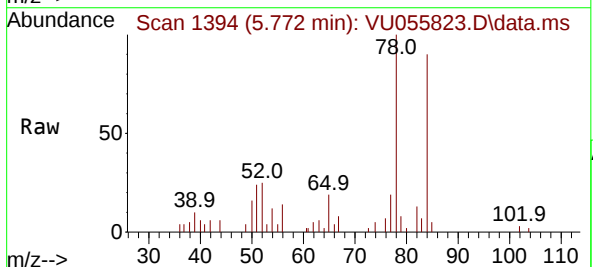
Instrument :
MSVOA_U
ClientSampleId :
E45J1

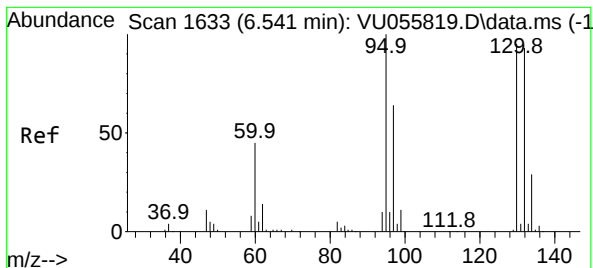
Tgt Ion: 56 Resp: 59522
Ion Ratio Lower Upper
56 100
69 34.1 24.9 37.3
84 84.9 70.7 106.1



#33
Benzene
Concen: 0.923 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU055823.D
Acq: 20 Oct 2023 11:09

Tgt Ion: 78 Resp: 14249





#34

Trichloroethene

Concen: 1284.671 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055823.D

Acq: 20 Oct 2023 11:09

Instrument :

MSVOA_U

ClientSampleId :

E45J1

Tgt Ion: 95 Resp: 5428160

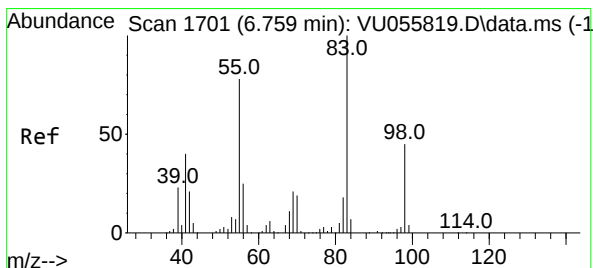
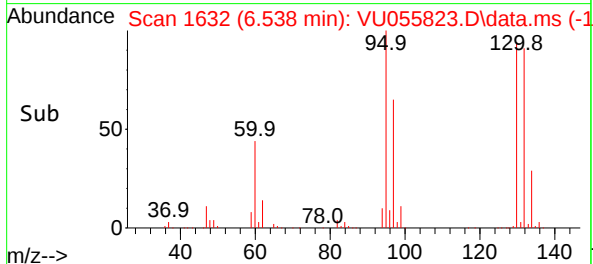
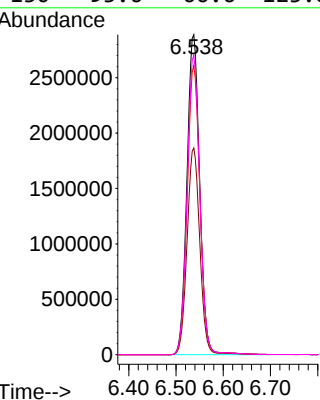
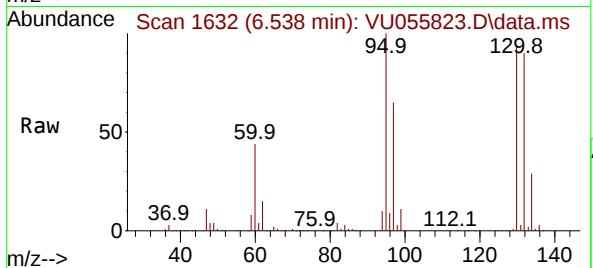
Ion Ratio Lower Upper

95 100

97 64.6 44.4 82.5

132 90.3 61.8 114.8

130 93.6 66.6 123.8



#35

Methylcyclohexane

Concen: 7.292 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU055823.D

Acq: 20 Oct 2023 11:09

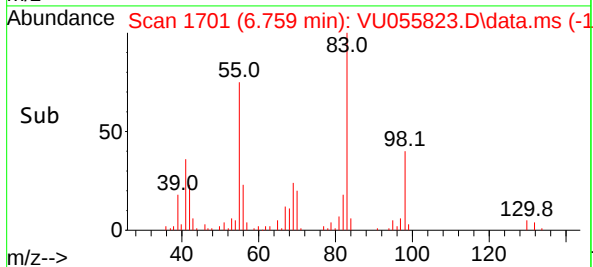
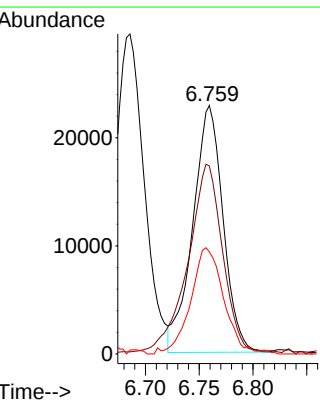
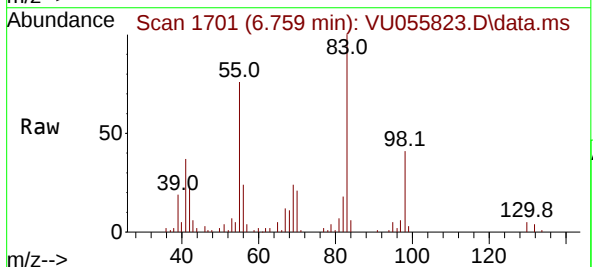
Tgt Ion: 83 Resp: 44704

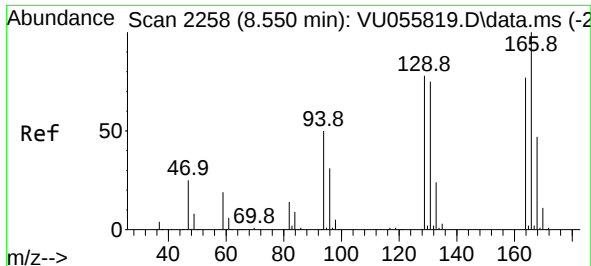
Ion Ratio Lower Upper

83 100

55 87.2 61.2 91.8

98 46.3 35.8 53.6

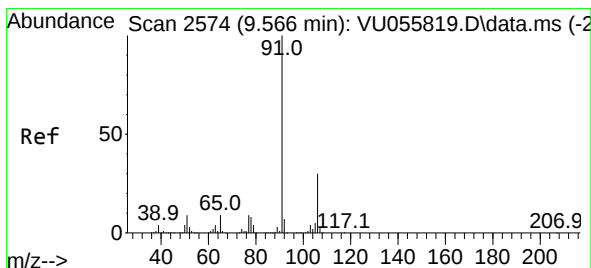
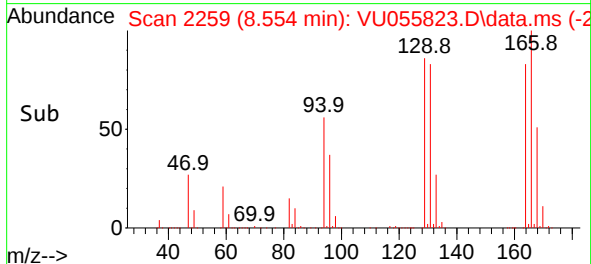
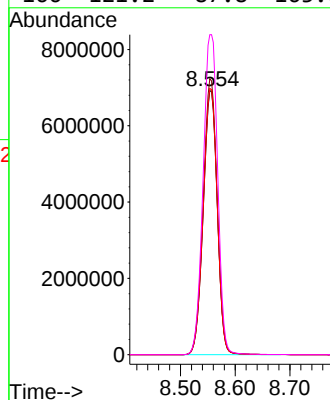
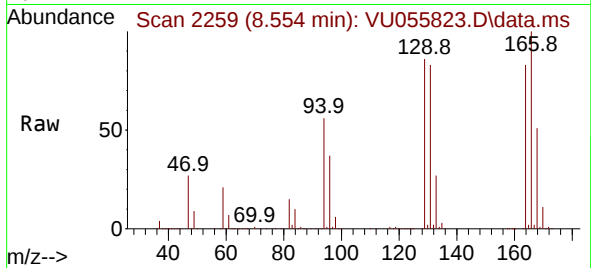




#46
Tetrachloroethene
Concen: 4083.809 ug/L
RT: 8.554 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055823.D
Acq: 20 Oct 2023 11:09

Instrument :
MSVOA_U
ClientSampleId :
E45J1

Tgt Ion:164 Resp:12354383
Ion Ratio Lower Upper
164 100
129 104.5 70.7 131.3
131 100.8 65.9 122.5
166 121.2 87.8 163.0



#52
Ethylbenzene
Concen: 1.374 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055823.D
Acq: 20 Oct 2023 11:09

Tgt Ion: 91 Resp: 24471
Ion Ratio Lower Upper
91 100
106 33.7 21.2 39.4

